

Final Exams

PART TWO

30 Final Exams of some Schools Governorates.

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* Some exams questions have been modified according to the ministry modifications for the first term 2017-2018



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1

Cairo Governorate

New Cairo Zone
Manor House International School

Answer the following questions :

1 Complete the following statements :

- is the amount of matter that the object contains.
- Cubic metre is the measuring unit of
- Liquids have volumes and don't have definite
- Condensation is the change of matter from the state to the state.
- All non-metals are conductors of electricity except
- Metals are solid at room temperature except that is a
- Melting of wax is considered a change, while burning of a candle is change.
- The Sun is a, while the Earth is a
- The movement of shadow is due to the rotation of around

2 [A] Give reasons for :

- The Sun is a star but the Earth is a planet.

.....

.....

- Melting of ice is a physical change.

.....

- Fermentation of milk is a chemical change.

.....

.....

- Electric wires are made of copper and aluminium.

.....

[B] Write the scientific term :

- It is formed when Earth rotates around its axis.

(.....)

- A change of matter from the solid state to the liquid state by heating.

(.....)

- A self-shining body that emits heat and light.

(.....)



3 [A] Choose the correct answer :

- The part of the Earth that faces the Sun
 - doesn't get light.
 - is darker than other side.
 - is at daytime.
 - is at night.
- The biggest two planets are
 - Neptune and Earth.
 - Jupiter and Saturn.
 - Saturn and Venus.
 - Jupiter and Mars.
- are similar in having indefinite shapes.
 - Solids and liquids
 - Solids and gases
 - Liquids, solids and gases
 - Liquids and gases
- Matter changes from one state to another by
 - heating only.
 - cooling only.
 - stirring.
 - heating or cooling.
- is a bad heat conductor.
 - Bromine
 - Aluminium
 - Iron
 - Copper

[B] What's meant by ... ?

- A physical change :
- Melting process :
- Stars :

4 [A] Put (✓) or (✗) and correct the wrong ones:

- Sensitive balance is used to measure the mass of small objects. ()
- Liquids are evaporated by cooling. ()
- Metals exist in solid, liquid and gaseous states. ()
- Jupiter is the red planet. ()

2. The Earth's axis is
 - a. vertical.
 - b. horizontal.
 - c. inclined.
 - d. no correct answer.
3. Oxygen is an example for state.
 - a. gaseous
 - b. liquid
 - c. solid
 - d. no correct answer
4. The central body of the solar system is the
 - a. Earth.
 - b. Sun.
 - c. moon.
 - d. Jupiter.
5. Cooking pots are made up of
 - a. sulphur.
 - b. aluminium.
 - c. wood.
 - d. carbon.
6. The number of the planets in the solar system is
 - a. 4
 - b. 6
 - c. 8
 - d. 3
7. Changing of the matter from liquid state to gaseous state is
 - a. solidification.
 - b. condensation.
 - c. evaporation.
 - d. melting.
8. A stone is put in a jar containing 30 cm^3 of water, water level raises in the jar up to 50 cm^3 , so the volume of the stone equals
 - a. 20 cm^3 .
 - b. 10 cm .
 - c. 100 cm^2 .
 - d. 1 cm .

3 Write the scientific term :

1. Dark objects revolve around the Sun in fixed orbits. (.....)
2. The change that occurs in the appearance of the matter without any change in its structure. (.....)
3. The space that is occupied by matter. (.....)
4. A change of matter from liquid state to solid state by cooling. (.....)
5. Shining objects radiate light and heat and appear in the sky at night. (.....)
6. The simplest form of matter that cannot be analyzed into two or more substances. (.....)
7. A state of matter that has a definite volume and shape. (.....)
8. They are the followers of some planets that revolve around them. (.....)

4 [A] Put (✓) or (x) :

1. The day in summer season is longer than the night. ()
2. The moon is a self-shining star radiates light and heat. ()
3. Iron is used in manufacturing of bridges. ()

[B] Find the volume of a brick that its length is 5 cm, its width is 3 cm and its height is 1 cm.

.....

3 [A] Write the scientific term :

1. Shining bodies that emit light. (.....)
2. The change of matter from liquid state to gaseous state by heating. (.....)
3. It is called the red planet in the solar system. (.....)
4. Formation of brittle layer on the iron surface when it is exposed to wet air. (.....)
5. The amount of matter that the object contains. (.....)

[B] Give reasons for :

1. A car is a matter.

2. The stars seem very small in size.

3. The sequence of day and night.

4 [A] Correct the underlined words in each of the following :

1. The Sun is a planet and it emits light. (.....)
2. Matter exists in four states. (.....)
3. Neptune is called the most beautiful planet. (.....)
4. Non-metals have high melting point. (.....)
5. Liquids have indefinite shapes and indefinite volumes. (.....)
6. The measuring cylinder is used in measuring the mass. (.....)

[B] Arrange the following planets according to the distance from the Sun (from the nearest to the farthest) :

(Uranus - Neptune - Jupiter - Venus)

.....

4

Cairo Governorate

El-Zietoun Educational Zone
Gomhouria Language School

Answer the following questions :

1 [A] Complete the following sentences :

1. Kilogram is the measuring unit of, while metre is the measuring unit of
2. Silver is a shiny element, so it belongs to the group, while sulphur is an element doesn't have metallic luster so, it belongs to group.
3. The nearest planet to the Sun is, while the farthest planet is
4. In and seasons the day equals the night.

[B] A box has length 4 cm, its width 3 cm and its height is 2 cm. Calculate its volume.

The volume = × ×
 = × × =

[C] Which of the following is a physical change and which is a chemical change ?

1. Rusting of iron.

.....

2. Dissolving of sugar in water.

.....

2 [A] Write the scientific term of each of the following :

1. Dark objects revolve around the Sun. (.....)
2. A season in which day is shorter than night. (.....)
3. Everything that has mass and volume. (.....)
4. It is the change of matter from liquid state to gaseous state by heating. (.....)

[B] What is the use (or importance) of ... ?

1. Graduated cylinder.

.....

2. Common balance.

.....

3. Iron.

.....

4. Graduated tape.

.....

3 [A] Give reasons for :

1. Carbon is used in the manufacturing of poles of dry cells.

.....

2. The moon is a dark body but we see it shiny.

.....

3. Sequence of the four seasons.

.....

4. Air is a matter.

.....

[B] What happens when ... ?

1. You leave a glass filled with ice in air for few minutes.

.....

2. The Earth rotates around its axis.

.....

[C] What is meant by ... ?

1. Freezing.

.....

2. Mass.

.....

4 [A] Choose the correct answer :

1. The central body of the solar system is the

a. Earth.

b. Sun.

c. moon.

2. The Earth's axis is

a. vertical.

b. horizontal.

c. inclined.

3. The change of matter from solid state to liquid state is

a. melting.

b. condensation.

c. evaporation.

4. All of these matter have definite volumes and definite shapes except

a. alcohol.

b. iron.

c. stone.

5. The only metal that exists in the liquid state is

a. mercury.

b. oxygen.

c. bromine.

6. The most beautiful planet in shape in the solar system is

a. Earth.

b. Saturn.

c. Venus.

[B] Correct the underlined words :

1. Matter exists in four states. (.....)
2. Neptune planet is called the red planet. (.....)
3. Solids are changing their shapes and volumes according to their container. (.....)
4. The graduated ruler used to measure the mass. (.....)

5**Cairo Governorate**Western Nahr City Educational Zone
El-Malek Fahad Language School**Answer the following questions :****1 [A] Complete the following sentences :**

1. Litre is the measuring unit of
2. is a non-metal element that is good conductor of electricity.
3. The Earth revolves around the once every 365 and quarter a day.
4. Matter can be pressed inside cylinders in its state.
5. is the red planet.

[B] Give reasons for :

1. Aluminium is used to make cooking pans.
.....
2. Water is a matter.
.....
3. Sequence of day and night.
.....

2 [A] Put (✓) or (x) :

1. In evaporation process, liquid state changes to gaseous state. ()
2. Melting of ice is considered a chemical change. ()
3. The axis of the Earth is inclined. ()
4. Wood and glass are solid matter. ()
5. The Sun is the biggest star in the universe. ()

[B] Cross out the odd word :

1. Gold – Sulphur – Copper – Iron. (.....)



2. Kilogram – Kilometre – Metre – Centimetre. (.....)
 3. Water – Milk – Carbon dioxide – Oil. (.....)

3 [A] Write the scientific term :

1. The process in which solid state changes to liquid state. (.....)
 2. Liquid non-metal. (.....)
 3. The amount of matter in an object. (.....)
 4. The biggest planet in the solar system. (.....)
 5. State of matter has definite volume, but indefinite shape. (.....)

[B] Correct the underlined words :

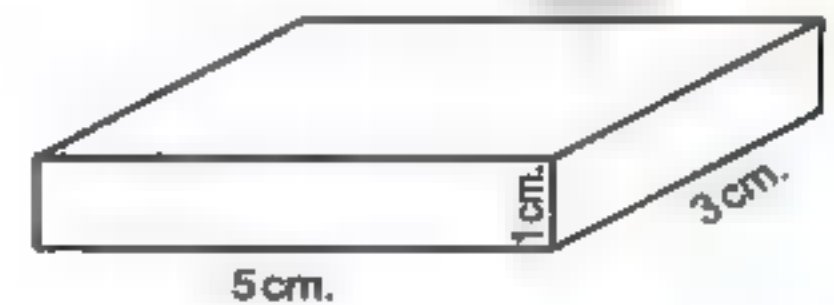
1. The Earth revolves around the moon causing four seasons. (.....)
 2. Copper is used in making bridges. (.....)
 3. Common balance is used in measuring the length. (.....)

4 [A] Choose the correct answer :

1. The day is equal to night in
 a. autumn. b. summer. c. winter.
 2. The farthest planet from the Sun is
 a. Venus. b. Mars. c. Neptune.
 3. Water vapour changes into water in process.
 a. condensation b. melting c. evaporation
 4. of sugar is considered a chemical change.
 a. Burning b. Dissolving c. Grinding
 5. The number of planets in the solar system is
 a. six. b. nine. c. eight.
 6. There is life on the planet.
 a. Mercury b. Earth c. Jupiter

[B] Calculate the volume of this box which has width (3 cm) length (5 cm) and height (1 cm).

The volume =



6

Cairo Governorate

Moadi Educational Directorate
Science Inspectorate

Answer the following questions :

1 Complete the following sentences :

- The measuring units of length are and
- Grinding of sugar is considered a change , while burning of sugar is considered ■ change.
- The liquid metal is, while the liquid non-metal is
- Both and have definite volumes.

2 [A] Choose the correct answer :

- The graduated cylinder is used to measure the of matter.
a. mass b. length c. volume
- has low melting point.
a. Aluminium b. Silver c. Sulphur
- There are planets in the solar system.
a. six b. seven c. eight
- The Earth revolves around the Sun once every days.
a. $365 \frac{1}{4}$ b. $365 \frac{1}{3}$ c. $365 \frac{1}{2}$

[B] What is meant by ... ?

1. Mass :

.....

2. Melting :

.....

3 [A] Write the scientific term :

- A unit used to measure the small masses. (.....)
- The change in the appearance of matter without change in its structure. (.....)
- Dark bodies that revolve around the Sun in fixed orbits. (.....)
- Anything that has a mass and occupies a space. (.....)

[B] Give reason for :

1. The sequence of day and night.

.....

2. Carbon is used in the manufacturing of positive pole of dry cell.

.....

4 [A] Put (✓) in front of the right sentence and (x) in front of the wrong sentence :

1. Solids have definite shapes and definite volumes. ()

2. The summer day is shorter than the winter day. ()

3. Matter exists in four states. ()

4. The Sun is a shining star that radiates heat and light. ()

[B] Choose from column (B) what suits it from column (A) :

(A)	(B)
1. Mars	a. is the biggest planet.
2. Jupiter	b. is the nearest planet to the Sun.
3. Venus	c. is the red planet.
4. Mercury	d. is the cold planet.
	e. is the most beautiful planet.

1.

2.

3.

4.

Answer the following questions :

I Choose the correct answer :

1. The Earth rotates around its axis once every

a. 24 hours.

b. year.

c. 365 hours.

2. The biggest planet is

a. the Earth.

b. Mercury.

c. Jupiter.

3. 5 metres = cm.

a. 50

b. 500

c. 5000

4. Common balance is used for measuring

a. mass.

b. length.

c. volume.

5. is used in making jewels.
 a. Carbon b. Iron c. Gold
6. The matter has definite shape and definite volume.
 a. solid b. liquid c. gaseous
7. is an example of a physical change.
 a. Burning of wood b. Iron rust c. Melting of wax
8. The Earth's axis is
 a. vertical. b. inclined. c. horizontal.

2 [A] Give reason for :

1. Stars seem small.

2. Sequence of the four seasons.

3. Batteries are made of carbon.

[B] Put (✓) or (x) :

1. Mercury is a liquid metal. ()
2. Fruits and vegetables masses are measured by sensitive balance. ()
3. Mars is the blue planet. ()
4. The day is longer than night in winter. ()
5. Non-metals are malleable. ()

3 [A] Write the scientific terms :

1. The space occupied by the matter. (.....)
2. The simplest form of matter that can't be decomposed into two or more substances. (.....)
3. The change in the shape and structure of matter. (.....)
4. The change of matter from solid to liquid. (.....)
5. The central biggest body in the solar system. (.....)

[B] Cross out the odd word :

1. Saturn – Venus – Sun – Earth. (.....)
2. Ruler – Pen – Cylinder – Common balance. (.....)
3. Iron – Sulphur – Copper – Aluminium. (.....)

4 [A] Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Moon	a. chemical change.
2. Neptune	b. the planet where we live.
3. Iron	c. the farthest planet.
4. Rusting of iron	d. reflects sunlight.
5. 24 hours	e. used in making bridges.
	f. equal 1 day.

1. 2. 3. 4. 5.

[B] Compare between metals and non-metals :

Points of comparison	Metals	Non-metals
1. Heat conduction :
2. Melting point :
3. Examples :

Answer the following questions :

1 [A] Write the scientific term :

- The change of matter from gaseous state into liquid state by cooling. (.....)
- The nearest star to us. (.....)
- The space occupied by the matter. (.....)
- A change in the structure giving new substances with new properties. (.....)

[B] Classify the following :

Burning of paper – Grinding of sugar – Rusting of iron – Melting of ice.

Physical changes	Chemical changes
.....
.....

2 [A] Choose the correct answer :

- Liquid metal is
a. carbon. b. bromine. c. mercury. d. aluminium.
- The daytime is shorter than night in season.
a. summer b. spring c. autumn d. winter
- Volumes of liquids can be measured by
a. sensitive balance. b. graduated cylinder.
c. graduated tape. d. common balance.
- The planet which has coloured rings around it is
a. Neptune. b. Saturn. c. Earth. d. Mars.

[B] Cross out the odd word :

- Jupiter – Saturn – Sun – Neptune. (.....)
- Kilogram – Ton – Gram – Metre. (.....)
- Sulphur – Copper – Aluminium – Iron. (.....)
- Oxygen – Wood – Nitrogen – Carbon dioxide. (.....)

3 Complete the following :

- By cooling, water changes from state to state.
- Two metres equal cm, while two kilograms equal grams.
- Bridges are made of, while electric wires are made of
- The red planet is and the cold planet is

4 [A] Put (✓) or (✗) :

- Water vapour condenses when it touches a cold surface. ()
- Matter can be pressed in case of its gaseous state. ()
- Common balance is used to measure the mass of jewellery. ()
- The Earth rotates around its axis once every 24 hours. ()
- Gases have definite shapes and volumes. ()

[B] Give reason for :

- Sequence of the four seasons.
.....
- Cooking pots are made of aluminium.
.....
- The moon seems shiny.
.....

Answer the following questions :

1 [A] Complete the following statements by using the following words :

(chemical – metals – physical – non-metals)

1. Silver is a shiny element, so it belongs to the group, while sulphur doesn't have metallic luster so it belongs to group.
2. Dissolving sugar in water is a change , while iron rust is a change.

[B] Match :

(A)	(B)
1. Mercury	a. The biggest planet.
2. Jupiter	b. First planet to the Sun.
3. Mars	c. The farthest planet from the Sun.
4. Neptune	d. Is called the red planet.

1. 2. 3. 4.

2 [A] Correct the underlined words :

1. Solids are changing their shapes and volumes according to the container. (.....)
2. The graduated ruler is used to measure the mass. (.....)
3. In winter and summer seasons , the day hours are equal to the night hours. (.....)
4. Hammering of iron is a chemical change. (.....)

[B] Give reasons for :

1. Using copper in manufacturing of electric wires.

.....

2. The sequence of the four seasons.

.....

3 [A] Give one difference between :

Dissolving of sugar	Burning of sugar
.....
The Sun	Mars
.....

[B] Arrange the following planets according to the nearest to the Sun :

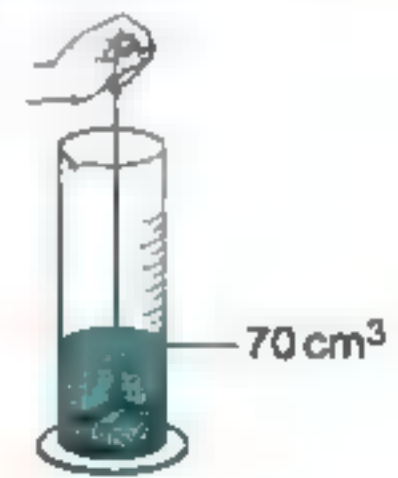
[Neptune – Venus – Uranus – Mars – Earth – Saturn]

4 [A] Write the scientific term :

1. Dark body revolves around the Sun and we live on it. (.....)
2. Everything that has a mass and a volume. (.....)
3. A tool that is used in measuring of small masses. (.....)
4. The center of the solar system. (.....)

[B] Your classmate placed a marble into a graduated cylinder of 50 cm^3 of water , the water raised up to 70 cm^3 . What is the volume of the marble ?

The volume of the marble =



10

Giza Governorate

Experimental Directorate
Official Language Schools

Answer the following questions :

Complete the following statements by using these words :

[inclined – physical – Mass – Neptune – solid – Mercury – Mars – liquid]

1. is the red planet.
2. Matter exists in three states which are state, state and gaseous state.
3. The nearest planet to the Sun is, while is the farthest planet from the Sun.
4. is the amount of matter in the body.
5. The axis of the Earth is
6. Grinding of sugar is a change.



2 [A] Write the scientific term :

1. Elements that have no luster. (.....)
2. Dark bodies that revolve around the planets. (.....)
3. A tool used to measure the mass of vegetables. (.....)
4. Non-metal element that is a good conductor of electricity. (.....)
5. Everything occupies ■ space and has a mass. (.....)
6. It is the simplest form of matter that cannot be decomposed. (.....)

[B] Give reason for :

1. Cooking pots are made of aluminium.

.....

2. Sequence of the four seasons.

.....

3 [A] Choose from column (B) what suitable for column (A) :

(A)	(B)
1. Iron	a. Changing from liquid to gas.
2. Evaporation	b. Rusting of iron.
3. Chemical change	c. Changing from liquid to solid.
4. Freezing	d. Used in making doors.

1.
2.
3.
4.

[B] Put (✓) or (x) :

1. The biggest planet in the solar system is Uranus. ()
2. The measuring unit of the volume is cm^2 . ()
3. The day in summer season is longer than night. ()
4. Metals are bad conductors of heat and electricity. ()

4 [A] Choose the correct answer :

1. The planet that we live on it is
 a. Mars. b. Jupiter. c. Earth.
2. Kilogram is the measuring unit of
 a. volume. b. mass. c. length.
3. is a liquid metal.
 a. Bromine b. Water c. Mercury

4. is from physical changes.
 a. Burning b. Rusting c. Melting
5. The daytime is shorter than night in season.
 a. winter b. summer c. spring

[B] Correct the underlined words :

1. The Earth rotates around its axis once every 30 day. (.....)
2. Solids have indefinite shapes and volumes. (.....)
3. The chemical change is a change in the appearance of matter only. (.....)

11

Giza Governorate

Kerdasa Educational Zone

Answer the following questions :

[A] Complete the following sentences :

- There are three states of matter solid, and
- Mass is the of matter inside an object.
- The nearest planet to the Sun is
- Silver is a shiny element, so it belongs to the group, while sulphur is an element doesn't have metallic luster, so it belongs to group.
- have definite shapes and volumes, while have definite volumes and indefinite shapes.
- The blue planet is

[A] Write the scientific term :

- Anything that has a mass and a volume. (.....)
- A dark body revolves around the Earth and reflects the sunlight. (.....)
- The elements which are good conductors of heat and electricity. (.....)
- The most beautiful planet. (.....)

[B] Give reason for :

- Aluminium is used in making cooking pots.

- Sequence of day and night.

- The measuring unit of the volumes of solids is
a. cm². b. cm³. c. cm.
- The change of matter from solid state to liquid state is
a. evaporation. b. freezing. c. melting.
- The Earth rotates around its axis once every hours.
a. 48 b. 24 c. 12
- Melting of ice is from
a. physical changes. b. metals. c. chemical changes.

1. Putting a bottle of water in the freezer.

1. The biggest planet is Mercury. ()
2. Metals have low melting point. ()
3. The day in summer season is longer than the night. ()
4. The measuring unit of large masses is kg. ()

1. Burning of wood : change.
2. Dissolving of sugar in water : change.
3. Melting of iron : change.
4. Cutting of paper : change.

East Zone Directorate
Taymour English School

1. The volume of milk is measured by
2. All and are good conductors of electricity.

3. The Earth rotates around itself once every hours.
4. Condensation is the change of matter from the gaseous state to the liquid state by

[B] Give reason for :

1. The apparent rotation of the Sun.

.....

2. The Sun is the only star than can be seen big from the Earth although there are bigger stars than it.

.....

2 [A] Write the scientific term :

1. The biggest body in the solar system. (.....)
2. The change of matter from solid into liquid. (.....)
3. Dark bodies that reflect the light of the Sun. (.....)
4. The red planet. (.....)
5. A state of matter that doesn't have ■ definite volume or shape. (.....)

[B] Mention the name of substance which is used in the following :

1. Making electric wires. (.....)
2. Making bridges. (.....)
3. Making jewels. (.....)

[A] Choose the correct answer :

1. is an example of chemical changes.

a. Grinding of sugar into fine powder	b. Melting of chocolate
c. Production of yoghurt from milk	d. Breaking a bottle
2. In , night is longer than day.

a. summer	b. winter	c. spring	d. autumn
-----------	-----------	-----------	-----------
3. The farthest planet from the Sun is

a. Mars.	b. Mercury.	c. Neptune.	d. Uranus.
----------	-------------	-------------	------------
4. Evaporation means the change from

a. solid into gas.	b. liquid into gas.
c. gas into liquid.	d. liquid into solid.

2
Part

5. are liquid materials.

a. Wood , water and vinegar

b. Oil , iron and water

c. Water vapour , oil and vinegar

d. Oil , water and vinegar

[B] What happens if ... ?

1. Rising of the temperature of ■ piece of ice.

2. A nail is left in humid air.

4 [A] Put (✓) or (x) and correct the wrong :

1. All metals are solids except bromine which is a liquid. ()

2. To measue the volume of a box , we calculate its length , width and height and then we make addition. ()

3. Matter can be pressed in case of liquid matter. ()

4. The sequence of the four seasons is due to the revolution of the Earth around the Sun. ()

5. Mercury is the nearest planet to us. ()

[B] You have a piece of aluminium and a piece of sulphur. How can you differentiate between them by using heat ?

13 Alexandria Governorate

Ibrahimieh Directorate
Franciscan Sisters School

Answer the following questions :

[A] Complete the following sentences :

1. Kilogram is the unit of measuring , while metre is the unit of measuring

2. is the biggest planet , while is the smallest planet.

3. Water has definite
4. Bending of iron is considered ■ change, while iron rusting is considered ■ change.
5. is the biggest body in the solar system.

[B] Give the scientific reasons :

1. The movement of shadow at different times of day.
.....
2. Graphite is used in manufacturing of poles of dry cells.
.....
3. Appearance of some water drops on the cover of cooking pans during cooking.
.....
4. The moon is a dark body , but it seems bright.
.....

- 2 [A] A pupil placed three marbles of equal volumes in ■ graduated cylinder containing 10 cm^3 of water , if the water level raises up to 40 cm^3 . Find the volume of each marble.**
-
-

[B] Write the scientific term :

1. A tool that is used in measuring small masses. (.....)
2. The space occupied by the object. (.....)
3. The change of matter from solid state to liquid state by heating. (.....)
4. An element used in making electric wires. (.....)

[C] Correct the underlined words :

1. Solids substances are changing their volumes according to the container. (.....)
2. Evaporation is the change of matter from a gaseous state to liquid. (.....)
3. In winter and summer seasons , the day hours are equal to the night hours. (.....)
4. We can determine the volume of a stone that doesn't dissolve in water by using graduated ruler. (.....)

3 [A] What happens when ... ? Why ?

1. Putting a bottle of water in the freezer.

.....

2. You connect some sulphur crystals with an electric circuit.

.....

3. Heating ■ cube of sugar strongly.

.....

4. Adding yeast to doughs, then baking.

.....

[B] Put (✓) or (x) and correct the wrong ones :

1. Water vapour is an example for liquid state. ()

.....

2. Mars is known as the blue planet. ()

.....

3. The axis of the Earth is vertical. ()

.....

4. Litre is the measuring unit that is used to measure the volume of solids. ()

.....

4 [A] Mention the difference between each of the following :

1. Physical change of matter and chemical change of matter.

.....

2. Stars and planets.

.....

3. Sequence of night and day phenomenon and sequence of the four seasons phenomenon.

.....

4. Common balance and sensitive balance.

.....

[B] Choose the correct answer :

1. The central body of the solar system is the

a. Earth.

b. Sun.

c. moon.

2. substances have indefinite shapes.
 a. Solids and liquids b. Solids and gases c. Liquids and gases
3. 2 kilograms = grams.
 a. 2000 b. 200 c. 2
4. From non-metals that found in liquid state at room temperature is
 a. carbon. b. phosphorus. c. bromine.

14

Alexandria Governorate

Saint Vincent De Paul School

Answer the following questions :

I [A] Choose the correct answer :

1. The measuring unit of volumes of solid objects is measured in
 a. cubic centimetre. b. cubic metre. c. all the previous
2. Electric wires are made up of
 a. carbon. b. iron. c. copper.
3. All of the following are chemical changes except
 a. burning. b. rusting. c. melting.
4. The biggest planet in the solar system is
 a. Mercury. b. Jupiter. c. Mars.
5. is an example of non-metals.
 a. Iron b. Aluminium c. Carbon

[B] Cross the odd word out in each of the following :

1. Gram – Litre – Kilogram – Ton. (.....)
2. Carbon – Bromine – Sulphur – Phosphorus. (.....)
3. Aluminium – Mercury – Iron – Copper. (.....)

[C] Give one use for the following :

1. Graduated cylinder.

2. Graphite.

3. Sensitive balance.



2
Part

2 [A] Complete the following statements :

1. The Sun is a and emits light.
2. Liquid matter is characterized by having volume and shape.
3. Planets are bodies that revolve around the Sun in fixed orbits.
4. The Earth is located between and
5. Elements are classified into and

[B] Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Carbon	a. Jewellery.
2. Aluminium	b. Bridges.
3. Iron	c. Poles of dry cells.
4. Gold	d. Electric wires.
	e. Cooking pots

1. 2. 3. 4.

[C] Find the volume of ■ brick that its length 20 cm. , its width 10 cm. and its height 2 cm.

.....

3 [A] Write the scientific term :

1. Anything occupies a space and has a mass. (.....)
2. A layer of brown colour formed on a piece of iron. (.....)
3. Simplest form of matter that can't be decomposed. (.....)
4. It is a change in the appearance of matter without any change in its structure. (.....)
5. The red planet. (.....)

[B] Give reasons for :

1. Sequence of the four seasons.

2. Copper and aluminium are good conductors of heat.

3. Melting of ice is considered a physical change.

4 [A] Put (✓) or (✗) and correct the false sentences :

1. The solar system consists of the Sun and the eight planets only. ()
2. Equal volumes of different materials have equal masses. ()
3. Four metres equal 40 centimetres. ()
4. Cutting of paper is a chemical change. ()
5. All metals are solids except bromine is liquid. ()

[B] What happens when ... ?

1. The Sun doesn't face ■ part of the Earth.
2. You put a bottle of water in the freezer.
3. The Earth rotates around itself.

[C] Complete the following figure :



15

Alexandria Governorate

EL Gomrok Zone
Science Inspectorate

Answer the following questions :

1 Complete the following sentences :

1. The Earth is located between and
2. Melting of ice is considered a change , while burning of sugar is a change.
3. Air is ■ matter because it has and
4. Elements are classified into and

2 [A] Choose the correct answer :

- Statues are made up of
a. copper. b. sulphur. c. carbon.
- The central body of the solar system is
a. the Earth. b. the Sun. c. the moon.
- Formation of iron rust is a change.
a. chemical b. physical c. melting
- The Earth's axis is
a. vertical. b. inclined. c. curved.
- Cooking pots are made up of
a. graphite. b. wood. c. aluminium.
- Apparent movement of the Sun occurs due to the
a. rotation of the Earth around itself.
b. revolution of the Earth around the Sun.
c. revolution of the Sun around the Earth.

[B] Give reason for :

- Electric wires are made of copper.
.....
- The Sun looks the biggest star.
.....

3 [A] Write the scientific term :

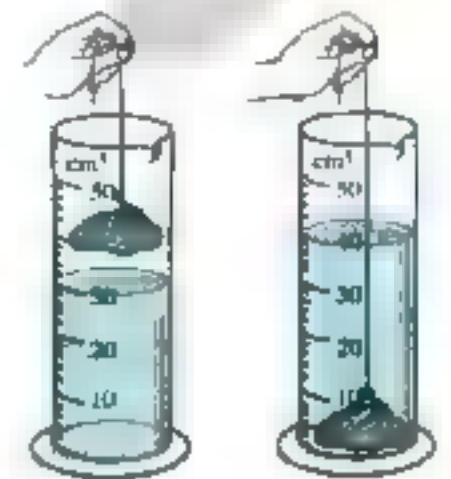
- The liquid non-metal. (.....)
- Dark bodies revolve around the planets in fixed orbits. (.....)
- The substances that take the shapes and the volumes of their containers. (.....)
- The planet that has coloured rings around it. (.....)
- A season in which day is longer than night. (.....)

[B] Calculate the volume :

The measuring cylinder contains 30 cm^3 of water.

When an irregular stone was put in it , the level of water became 40 cm^3 . Find the volume of the stone.

The volume of the stone = - = cm^3 .



[A] Put (✓) or (x) :

1. The Sun is a star because it emits heat and light. ()
2. Melting is the change of matter from liquid to solid state. ()
3. On decreasing the temperature of water vapour it condenses. ()
4. The biggest planet is Mercury. ()
5. Water vapour is an example for gaseous state of matter. ()
6. Electric wires are made of copper. ()

[B] Mention one use for the following :

1. Common balance.

2. Carbon.

16

Qualyobia Governorate

El-Obour Directorate of Education
Memphis Language School

Answer the following questions :

[A] Choose the correct answer :

1. The volume of a solid material is measured in unit.
a. cm^3 b. m^2 c. cm
2. Gold and silver are used in manufacturing of
a. bridges. b. planes. c. jewels.
3. is an example of the chemical change.
a. Burning of sugar. b. Ice melting. c. Water freezing.
4. The number of the planets in the solar system is
a. 6 b. 9 c. 8
5. The is a measuring unit of mass.
a. litre b. kilogram c. centimetre
6. The day is equal to the night in
a. autumn. b. summer. c. winter.

[B] Give answer for each of the following :

1. The day in summer is longer than the day in winter.
2. Copper is used in the manufacture of electric wires.

2 [A] Choose the correct answer :

- Gram and kilogram are units of measuring
a. mass. b. length. c. volume.
- The red planet is
a. Mercury. b. Mars. c. Neptune.
- have definite shapes and volumes.
a. Solids b. Liquids c. Gases
- The Earth's axis is
a. vertical. b. horizontal. c. inclined.
- has low melting point.
a. Aluminium b. Sulphur c. Copper
- The volume of an irregular solid object is measured by
a. ruler. b. common balance. c. graduated cylinder.

[B] Arrange the planets from the nearest to the farthest from the Sun :
(Uranus – Neptune – Mercury – Earth)
.....

3 [A] Write the scientific term :

- A unit used to measure the small masses. (.....)
- Dark objects revolve around the Sun in fixed orbits. (.....)
- The simplest form of matter that can't be analyzed into simpler form. (.....)
- A planet that is called the red planet. (.....)
- The amount of matter that the object contains. (.....)
- The change in the appearance of matter without any change in its structure. (.....)

[B] Mention one use for :

- Gold :
.....
- Measuring cylinder :
.....

4 [A] Correct the underlined word in each of the following :

- Equal volumes of different materials have equal masses. (.....)
- Measuring ruler is a tool that is used to measure the dimensions of classroom. (.....)

3 The day is longer than night in spring.

(.....)

4. Matter exists in four states.

(.....)

[B] What happens when ... ?

1. The Earth revolves around the Sun.

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www.facebook.com/groups/zakrooly4

2. A bottle full of water is put in the freezer for one day.

[C] Calculate the volume of a stone is put in a cylinder containing 30 cm^3 of water, then water level rises to 50 cm^3 .

17

EL-Sharkia Governorate

Science Inspectorate

Answer the following questions :

1 Complete the following sentences :

1. Stars are shiny bodies that emit heat and
2. States of matter are solid, and
3. is a liquid metal, while is a liquid non-metal.
4. Burning of wood is a change.
5. have indefinite shapes and volumes.
6. Planets are bodies that revolve around the Sun.

2 Write the scientific term :

1. Anything that has mass and a volume. (.....)
2. The smallest planet in the solar system. (.....)
3. The change of matter from the solid state to the liquid state. (.....)
4. The simplest form of matter that cannot be analyzed into two or more substances. (.....)
5. The space occupied by the matter. (.....)
6. The amount of matter in an object. (.....)
7. Non-metal which is a good conductor of electricity. (.....)
8. The most beautiful planet. (.....)

[A] Put (✓) or (x) :

1. Sensitive balance is used to measure the mass of jewels. ()
2. Metals are bad conductors of heat and electricity. ()
3. Ice is changed into water by cooling. ()
4. The Earth's axis is inclined. ()
5. Mars is called the blue planet. ()
6. Liquid matter has definite shape and volume. ()

[B] Give reason for :

1. Electric wires are made up of copper.

.....

2. Sequence of day and night.

.....

[A] Choose the correct answer :

1. Metre and centimetre are the measuring units of
a. length. b. volume. c. mass. (a) and (b).
2. In season the day hours are longer than night hours.
a. spring b. autumn c. summer d. winter
3. The number of planets in the solar system is
a. four. b. eight. c. seven. d. six.
4. Cooking pans are made up of
a. sulphur. b. copper. c. carbon. d. aluminium.
5. Carbon is used in making
a. car chassis. b. statues. c. wires. d. dry cells.
6. We use to measure the mass of an object.
a. measuring cylinder b. measuring tape
c. common balance d. ruler

[B] Define :

1. Evaporation.

.....

2. Freezing.

.....

18

EL-Behira Governorate

Kafr El-Dawar Educational Zone
El-Safwa Private Schools

Answer the following questions :

1 Complete the following sentences :

1. Matter has and
2. is a measuring tool that measures the mass of jewellery.
3. and are examples of physical changes.
4. The smallest planet is, while the biggest planet is
5. Iron is used in making

2 [A] Choose the correct answer :

1. Water changes to ice by
a. increasing mass. b. evaporation. c. heating. d. cooling.
2. unit is used to measure the distance between cities.
a. Kilogram b. Kilometre
c. Two-pans balance d. Graduated tape
3. is the only non-metal that is good conductor of electricity.
a. Mercury b. Bromine c. Carbon d. Iron
4. The day is longer than night in season.
a. winter b. summer c. spring d. autumn

[B] Give reason for :

1. Cooking pans are made of aluminium.
.....
2. The number of day hours is not equal to the number of night hours.
.....

3 [A] Write the scientific term :

1. It is the simplest form of matter that can't be analyzed into two substances or more. (.....)
2. A state of matter has definite volume and takes the shape of its container. (.....)
3. A dark body looks shiny because it reflects the sunlight. (.....)

4. It is the amount of matter that the object contains. (.....)
5. Change in the structure of matter that gives new substance with new properties. (.....)

[B] Graduated cylinder contains 50 cm^3 of water when a stone is put in the level of water became 70 cm^3 . Calculate the volume of the stone.

.....

.....

4 [A] Correct the underlined word :

1. Earth revolves around the Sun every 24 hours. (.....)
2. Venus is called the red planet. (.....)
3. Measuring ruler is a tool that is used to measure the dimensions of classroom. (.....)
4. When water freezes, it changes into water vapour. (.....)

[B] What happens when ... ?

1. The Earth rotates around its axis.
.....
2. A bottle full of water is put in the freezer for one day.
.....

19 Dakahlia Governorate

Science Inspectorate

Answer the following questions :

[A] Complete the following statements :

1. planet lies between Venus and Mars.
2. Kilogram is the unit of measuring
3. The solar system consists of eight
4. Burning of wood is considered as a change.
5. We use in making bridges.

[B] Give reasons for each of the following :

1. Although the moon is a dark body, we see it shiny.
.....
2. Electric wires are made of copper.
.....
3. Sequence of day and night.
.....

2 [A] Choose the correct answer :

- The unit of measuring the volumes of solids is
a. cm. b. cm^3 . c. gram. d. kg.
- A tool used for measuring the mass of matter is
a. measuring cylinder. b. measuring tape.
c. common balance. d. ruler.
- From metals that found in liquid state at room temperature is
a. mercury. b. bromine. c. water. d. aluminium.
- Electric wires are made up of
a. aluminium. b. sulphur. c. copper. d. carbon.

[B] Write the scientific term :

- A unit used to measure the small masses. (.....)
- Dark object revolves around the Sun and we live on it. (.....)
- A change of matter from gaseous state to liquid state by cooling. (.....)
- A planet called the red planet. (.....)

[A] Put (✓) or (✗) :

- Liquid matter has definite shape and volume. ()
- Matter can be pressed in the gaseous state. ()
- The biggest planet in the solar system is Uranus planet. ()
- Metals are the simplest form of matter. ()

[B] Correct the underlined words in the following statements :

- Sulphur is a non-metal element and good conductor to electricity. (.....)
- Burning of a candle is a physical change. (.....)

[C] The measuring cylinder contains 70 cm^3 of water when an irregular stone was put in it the level of water became 90 cm^3 . Find the volume of the stone. (Write the law).

.....

.....

4 [A] Arrange the following planets from the nearest planet to the farthest planet from the Sun :

(Saturn – Earth – Venus – Neptune – Mars)

.....

2
Part

[B] Mention one use for each of the following :

1. Common balance :

.....

2. Aluminium :

.....

3. Measuring ruler :

.....

[C] Cross out the odd word :

1. Earth – Moon – Jupiter – Uranus.

(.....)

2. Oxygen – Nitrogen – Carbon dioxide – Iron.

(.....)

3. Gram – Kilogram – Metre – Ton.

(.....)

20

Kafr El-Sheikh Governorate

Science Directorate

Answer the following questions :

[A] Complete the following statements :

1. We estimate the mass of chemicals and gold by using

2. The nearest planet to the Sun is, while is the biggest one.

3. The day in summer season is than the day in winter season.

4. is used in making dry cells, while copper is used in

[B] Give reason for :

1. Although the moon is a dark body, we see it shiny.

.....

2. On making tea, water drops are formed on the cover of the teapot from inside.

.....

2 Choose the correct answer :

1. The liquid metal element is

a. bromine.

b. water.

c. mercury.

2. Matter exists in at the ordinary room temperature.

a. one state

b. two states

c. three states

3. The planet where we live

a. Venus.

b. Earth.

c. Mars.

4. A mobile its length is 5 cm., its width equals 3 cm. and its height equals 2 cm. so the mobile volume equals
- a. 30 cm^3 . b. 15 cm^3 . c. 10 cm^3 .
5. has indefinite shape and definite volume.
- a. Air b. Oil c. Ice
6. All the following are non-metals except
- a. iron. b. nitrogen. c. sulphur.
7. Moons revolve around
- a. stars. b. asteroids. c. planets.
8. The volume of an irregular shaped object is estimated by using
- a. common balance. b. graduated cylinder containing water. c. ruler.

[A] Write the scientific term :

1. Elements that have metallic luster and have high melting points. (.....
2. The most beautiful planet. (.....
3. The building unit of matter and it is the simplest form of matter that can't be decomposed into two substances or more. (.....
4. The center of the solar system. (.....

[B] Choose from column (B) what is suitable for column (A) :

(A)	(B)
1. The change of matter from the liquid state into the gaseous state.	a. Melting.
2. The change of matter from the solid state into the liquid state.	b. Freezing.
3. The change of matter from the liquid state into the solid state.	c. Condensation.
4. The change of matter from the gaseous state into the liquid state.	d. Evaporation.

1. 2. 3. 4.

4 [A] Classify the following changes into physical changes and chemical changes :

The change	The type of change
1. Dissolving sugar in water.
2. Rusting of iron.
3. Rotten of fruits.
4. Melting of ice.

[B] Arrange the following planets from the nearest to the farthest from the Sun :

(Earth – Venus – Saturn – Mars)

1. 2. 3. 4.

21 Menofia Governorate

Shbein El-Koum Directorate
Science Inspectorate

Answer the following questions :

1 Complete the following sentences :

- The Sun is a shining star radiates and
- The length can be measured in some units as or
- Copper and graphite are good conductors of
- The nearest planet to the Sun is
- Freezing is the change of matter from state into state.

2 [A] Write the scientific term :

- A group of elements that have high melting points. (.....)
- Dark objects revolve around the Sun in fixed orbits. (.....)
- The substances that don't have definite volumes or shapes. (.....)
- A unit used to measure the small masses. (.....)
- The change in the shape of the matter only not in its structure. (.....)

[B] Cross out the odd word :

- Earth – Jupiter – Sun – Uranus. (.....)
- Aluminium – Sulphur – Iron – Copper. (.....)
- Gram – Litre – Kilogram – Ton. (.....)



3 [A] Give reasons for :

1. Sequence of day and night.

.....

2. Glass is a matter.

.....

[B] Correct the underlined word :

1. The axis of the Earth is vertical. (.....)

2. Graduated cylinder is from measuring tools of lengths. (.....)

3. Water vapour condenses when it touches hot surface. (.....)

4. Aluminium is used in making bridges and car chassis. (.....)

5. Earth is the fourth planet away from the Sun. (.....)

[A] Choose the correct answer :

1. is an example of the chemical change.

a. Burning of sugar b. Ice melting c. Water freezing

2. From non-metals that found in liquid state at room temperature is

a. carbon. b. mercury. c. bromine.

3. The number of the day hours is equal to the number of the night hours in

a. summer. b. winter. c. spring.

4. If the dimensions of your book are 5 cm, 2 cm and 3 cm, so the volume of the book equals cm^3 .

a. 20 b. 30 c. 10

[B] Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Summer	a. is called the red planet.
2. Venus	b. the day is longer than night.
3. Winter	c. the most beautiful planet.
4. Mars	d. the day is shorter than night.

1. 2. 3. 4.



22 El-Gharbia Governorate

Central Science Supervision

Answer the following questions :

1 [A] Complete the following statements :

1. Silver is a shiny element, so it belongs to the group, while sulphur is an element that doesn't have metallic luster, so it belongs to group.
2. is the smallest planet, while is the farthest planet from the Sun.
3. Dissolving sugar in water is a change, while burning of sugar is a change.
4. The phenomenon of sequence results from the rotation of the Earth around its axis, while the phenomenon of the sequence results from the revolution of the Earth around the Sun.
5. Increasing the temperature of water to the boiling point changes water from the state to the state.
6. Kilogram is the measuring unit of , while metre is the measuring unit of

[B] Give reasons for each of the following :

1. Gold and copper are solids.

.....

2. The Earth is a planet.

.....

2 [A] Choose the correct answer :

1. An example of non-metals is
 a. iron. b. carbon. c. copper. d. aluminium.
2. The central body of the solar system is the
 a. Earth. b. moon. c. Sun. d. Jupiter.
3. Gold industries need process.
 a. melting then cooling b. condensation then cooling
 c. evaporation then cooling d. cooling then melting

4. The axis of the Earth is
 a. vertical. b. horizontal.
 c. inclined. d. all the previous answers.
5. The change produced as a result of ductility of copper into wires is the same change produced from
 a. making bread. b. melting of wax.
 c. burning of coal. d. burning of paper.
6. Three metres equal centimetres.
 a. 600 b. 30 c. 300 d. 3

[B] Calculate the volume of a cuboid whose length is 5 cm , its width equals 3 cm , and its height equals 2 cm.

[A] Write the scientific term for each of the following :

1. A unit used to measure the small masses. (.....)
2. A season in which day is longer than night. (.....)
3. The change of a matter from liquid into solid by cooling. (.....)
4. Dark body revolves around the Earth and reflects the sunlight falling on it. (.....)
5. A brittle brown layer is formed on a piece of iron. (.....)
6. A liquid metal. (.....)

[B] What would happen in the following cases ... ?

1. Boiling of water and exposing the product to a cold surface.

2. The Earth rotates around itself.

[A] Correct the underlined words :

1. Graduated tape is used to measure the mass of fruits. (.....)
2. In winter and summer seasons the day hours are equal to the night hours. (.....)
3. Solids are changing their shapes and volumes according to their container. (.....)

2
Part

4. Uranus is known as the red planet. (.....)
5. Aluminium is used in manufacturing of the positive poles of dry cells. (.....)
6. There are seven planets that revolve around the Sun. (.....)

[B] Cross out the odd words :

1. Aluminium – Mercury – Iron – copper. (.....)
2. Earth – Jupiter – Moon – Uranus. (.....)

23

Port Said Governorate

Science Inspectorate

Answer the following questions :**1 [A] Choose the correct answer :**

1. The number of planets in the solar system is
a. eight. b. four. c. seven. d. six.
2. An example of non-metals is
a. Iron. b. carbon. c. gold. d. copper.
3. The volume of a solid material is measured in
a. cm. b. cm^2 . c. cm^3 . d. cm^4 .
4. The Earth rotates around its axis once every
a. 24 hours. b. year. c. 365 hours. d. 48 hours.
5. The number of the day hours is equal to the number of the night hours in
a. summer. b. spring. c. winter. d. all of the seasons.
6. The electric wires are made up of
a. copper. b. carbon. c. mercury. d. sulphur.

[B] Complete the following table :

(Sugar dissolving in water - Wood burning - Iron rusting - Wax melting)

Physical change	Chemical change
.....
.....

2 [A] Correct the underlined words :

1. 6 metres = 800 centimetres. (.....)
2. Sulphur is a good conductor of electricity. (.....)
3. Measuring ruler is used for measuring mass. (.....)
4. There are a definite shape and a definite volume in the liquid state. (.....)

[B] Study the following figure , then complete the following :



1. The biggest planet is
2. The farthest planet from the Sun is
3. The planet which we live on is
4. The red planet is

3 Write the scientific term :

1. Everything that has a mass and a volume. (.....)
2. A group of elements have a metallic luster and good conductors of heat and electricity. (.....)
3. A liquid non-metal. (.....)
4. Dark object revolves around the Earth and reflects the sunlight falling on it. (.....)

4 Choose from the column (B) what is suitable for column (A) :

(A)	(B)
1. Change of matter from the liquid state into the gaseous state.	a. Melting.
2. Change of matter from the solid state into the the liquid state.	b. Freezing.
3. Change of matter from the liquid state into the solid state.	c. Condensation.
4. Change of matter from the gaseous state into the liquid state.	d. Evaporation.

1.
2.
3.
4.

Answer the following questions :

[A] Complete the following statement by the following words :

(bromine – red – iron – summer – gaseous – carbon)

1. The poles of dry cells are made up of
2. We use in manufacturing of bridges.
3. Water vapour is an example for state.
4. Mars is known as the planet.
5. The day is longer than the night in
6. The liquid non-metal is

[B] Correct the underlined word :

1. Liquid matter has definite shape and volume. (.....)
2. The graduated tape is used to measure the mass of fruits and vegetables. (.....)
3. The biggest planet is Mars. (.....)
4. Neptune is called the red planet. (.....)

2 [A] Choose the correct answer :

1. The change of matter from the liquid state into the gaseous state is called
a. condensation. b. evaporation. c. melting.
2. Electric wires are made up of
a. sulphur. b. carbon. c. copper.
3. On decreasing the temperature of water vapour it
a. melts. b. freezes. c. condenses.
4. The central body of the solar system is the
a. Earth. b. Sun. c. moon.
5. Metals have melting and boiling points.
a. no b. low c. high
6. The number of the day hours is equal to the number of the night hours in
a. summer. b. winter. c. spring.

[B] Give reasons for :

1. The Earth is a planet.

2. Sequence of the four seasons.

3 [A] Write the scientific term :

1. Dark object reflects the sun rays that fall on its surface. ()

2. A unit used to measure the small masses. ()

3. A change of matter from gaseous state to liquid state by cooling. ()

4. The change in the shape of matter only not in its structure. ()

5. A tool that used in measuring the large masses. ()

6. The farthest planet from the Sun. ()

[B] Complete the following table :

(Sugar dissolving in water – Wood burning – Iron rusting – Wax melting)

Physical changes	Chemical changes
.....
.....

[A] Put (✓) or (x) :

1. Graduated tape is used in measuring the volume. ()

2. The Sun is a star because it emits heat and light. ()

3. Kilogram is the unit of measuring the mass. ()

4. The change of paper into black ash is a chemical change. ()

[B] A stone is put in a jar containing 30 cm³ of water , so water level raises in the jar up to 50 cm³. Find the volume of the stone.**[C] Arrange the following planets from the nearest to the farthest from the Sun :**

(Venus – Saturn – Uranus – Mars)

The Sun : 1. 2. 3. 4.

Answer the following questions :

[A] Complete the following statements :

1. The nearest planet to the Sun is , but the farthest planet is
2. Graduated ruler is used to measure , while graduated tape is used to measure
3. The states of matter are solid , and
4. The Earth revolves around the Sun once every and this is called

[B] Put (✓) or (x) :

1. Carbon and sulphur have high melting points. ()
2. Liquids have definite shapes and volumes. ()
3. The electric wires are made of phosphorus. ()
4. The day in summer is longer than the night. ()

[A] Write the scientific term of each of the following :

1. The amount of matter in an object. (.....)
2. Dark bodies revolve around the Sun in fixed orbits. (.....)
3. The group of elements that have luster. (.....)
4. A tool that is used to measure the volume of a liquid. (.....)

[B] Give reason for :

1. The stars seem very small in size.
.....
2. Milk is a liquid.
.....

[C] Look at the opposite figure, then answer :

1. This device is called
2. This device is used to measure



3 [A] Correct the underlined words in each of the following :

1. Mercury is a liquid non-metals. (.....)
2. The axis of the Earth is vertical. (.....)
3. Metre is the measuring unit of small lengths. (.....)
4. Mars is located between Earth and Venus. (.....)
5. Wood and iron are from gases. (.....)

[B] Mention ~~one~~ use for :

1. Sensitive balance.

.....

2. Aluminium.

.....

[C] When a stone is put in a jar containing 30 cm^3 of water, the water level rises in the jar up to 100 cm^3 . Find the volume of the stone.

.....
.....

4 [A] Choose the correct answer :

1. If the dimensions of a mobile phone are 10, 6, 2 cm, so its volume equals cm^3
a. 50 b. 100 c. 120 d. 18
2. Statues are made up of
a. copper. b. carbon. c. oil. d. sulphur.
3. The number of day hours is equal to the number of night hours in
a. summer. b. winter. c. night. d. spring.
4. The biggest body in the solar system is
a. moon. b. the Sun. c. Jupiter. d. comets.

[B] Complete the following figure :



[C] Classify the following into physical changes and chemical changes :

1. Rusting of iron.

.....

2. Dissolving of sugar in water.

.....

3. Rotten of fruits.

.....

Answer the following questions :

[A] Complete the following sentences :

1. The blue planet in the solar system is , while the red planet is
2. The small masses are measured by using , while the volume of an irregular shaped object is estimated by using
3. Elements are classified into and
4. Burning of wood is ■ change , while melting of wax is ■ change.
5. Increasing water temperature changes it from state to state.

[B] Give reasons for :

1. Aluminium is used in making cooking pots.

2. Sequence of the four seasons of the year.

3. Rusting of iron is considered a chemical change.

2 [A] Correct the underlined words in each of the following :

1. All metals are solids , except bromine is a liquid element. (.....)
2. Earth planet is the biggest body in the solar system. (.....)
3. Evaporation is the change of matter from a liquid to solid state. (.....)
4. Six metres = 900 centimetres. (.....)

[B] Give an example for each of the following :

1. A measuring unit of mass. (.....)
2. An element is used in making the positive pole of battery. (.....)

[C] Mention one use for each of the following :

1. Graduated tape.

2. Iron.

3 [A] Write the scientific term of each of the following :

1. Anything that has mass and a volume. (.....)
2. The nearest planet to the Sun. (.....)
3. A substance has definite shape and volume. (.....)
4. The change of a piece of chalk into powder. (.....)
5. The group of elements that has luster. (.....)

[B] What happens when ... ?

1. You leave a glass filled with ice in air for few minutes.

.....

2. Grinding of sugar.

.....

4 Choose the correct answer :

1. The closest two planets to the Earth are
 - a. Mercury and Mars.
 - b. Venus and Mars.
 - c. Venus and Jupiter.
 - d. Mercury and Saturn.
2. The number of day hours is equal to the number of night hours in
 - a. spring.
 - b. winter.
 - c. summer.
 - d. all of the seasons.
3. A metal used in making electric wires is
 - a. aluminium.
 - b. iron.
 - c. carbon.
 - d. copper.
4. Changing of matter from solid state to liquid state is called
 - a. evaporation.
 - b. condensation.
 - c. melting.
 - d. freezing.
5. The Earth's axis is
 - a. vertical.
 - b. horizontal.
 - c. inclined.
 - d. perpendicular.
6. The melting point of element is high.
 - a. carbon
 - b. silver
 - c. sulphur
 - d. phosphorus
7. matter has a definite volume and an indefinite shape.
 - a. Liquid
 - b. Gaseous
 - c. Solid
 - d. No
8. When a piece of stone is put in a jar containing 30 cm^3 of water, the water level raises to 50 cm^3 , so that the volume of the piece of stone equals
 - a. 20 cm^3
 - b. 30 cm^3
 - c. 50 cm^3
 - d. 80 cm^3

27 Fayoum Governorate

Science Supervision for Governmental
Language School

Answer the following questions :

1 Complete the following statements :

1. States of matter are, liquid and
2. We use in manufacturing bridges.
3. Graphite is an example of and it is a good conductor of
4. The Earth is located between and
5. Water freezes by and evaporates by heating.

2 [A] Choose the correct answer :

1. Electric wires are made up of
a. sulphur. b. carbon. c. copper.
2. is an example for physical changes.
a. Burning of candle b. Iron rust c. Dissolving of sugar in water
3. A pupil placed 4 marbles of equal volumes in 100 cm^3 graduated cylinder containing water, the water level raised up to 120 cm^3 , so the volume of each marble = cm^3 .
a. 20 b. 25 c. 5
4. is the change of matter from liquid state to gaseous state.
a. Condensation b. Evaporation c. Freezing

[B] Give reasons for :

1. Sequence of day and night.
.....
2. Gold and copper are solids.
.....

3 [A] Write the scientific term :

1. The nearest planet to the Sun. (.....)
2. It is the simplest form of matter that cannot be decomposed into two substances or more. (.....)
3. Dark objects revolve around the Sun in fixed orbit. (.....)
4. The transfer of ice into water. (.....)
5. The substance that has definite shape and volume. (.....)

3. The change of matter from the liquid state to the gaseous state is known as
- a. evaporation. b. freezing. c. condensation.
4. The central body of the solar system is the
- a. Earth. b. Sun. c. moon.
5. The volume of the cuboids =
- a. length. b. length – width – height.
c. length \times width \times height.
6. The number of the planets in the solar system is
- a. 4 b. 6 c. 8

[B] If the dimensions of the book are 5, 2 and 2. Calculate the volume of the book.

.....
.....

2 [A] Write the scientific term :

1. Anything occupies a space and has a mass. (.....)
2. Dark object reflects the sun rays that fall on its surface. (.....)
3. A tool used in measuring small lengths. (.....)
4. It is the simplest form of matter that cannot be decomposed in two substances or more. (.....)

[B] Which of the following is a chemical change and which is a physical change :

1. Melting of chocolate.
.....
2. Iron rust.
.....

3 [A] Correct the underlined words in the following statements :

1. The liquid substances have definite shapes and definite volumes. (.....)
2. Earth is the fourth planet away from the Sun. (.....)
3. All metals are solid elements in normal temperature except bromine it is a liquid element. (.....)
4. In winter and summer seasons, the day hours are equal to the night hours. (.....)

[B] Give reason for :

1. Graphite (carbon) is used in manufacturing of the poles of dry cells.
.....
2. Gold and silver are used in making jewellery.
.....

4 [A] Choose from column (B) what suits it in column (A) :

(A)	(B)
1. Mercury	a. is called the red planet.
2. The Earth	b. the biggest planet.
3. Jupiter	c. the farthest planet from the Sun.
4. Neptune	d. there are coloured rings around it.
5. Mars	e. first planet to the Sun.
	f. third planet away from the Sun.

1. 2. 3. 4. 5.

[B] What happens when ... ?

1. Rising of the temperature of a piece of ice.
.....
2. Rotation of the Earth around its axis.
.....

29 Sohag Governorate

Tahta Governmental Language School

Answer the following questions :

Write the scientific term of each of the following :

1. Dark objects reflect the sun rays that fall on its surface. (.....
2. A unit used to measure the small masses. (.....
3. A tool used to measure the volumes of liquids. (.....
4. A change of matter from gaseous state to liquid state by cooling. (.....

[A] Put (✓) or (x) :

1. The biggest planet in the solar system is Uranus. ()

2. Chemical change is a change in the form of matter only. ()
3. Graduated ruler is used to determine the volume of an irregular small stone. ()
4. Sensitive balance is used to measure the mass of jewels. ()

[B] Arrange the following planets from the nearest to the farthest from the Sun :
(Neptune – Venus – Mars – Earth)

1.
2.
3.
4.

3 Complete the following sentences :

1. Copper and graphite are good conductors of
2. In season the day is longer than the night.
3. Dissolving of sugar in water is ■ change.
4. The change of water into ice is known as process.
5. is a liquid metal, while is ■ liquid non-metal.
6. The is located in the center of the solar system and there are revolve around it in definite orbits.

4 [A] Choose the correct answer :

1. Sequence of day and night occurs due to the
a. revolution of the Earth around the Sun.
b. rotation of the Earth around its axis.
c. revolution of the Sun around the Earth.
d. rotation of the Sun around its axis.
2. The measuring unit of the volumes of solid objects is measured in
a. m. b. cm^3 . c. mm. d. all of them.
3. Cooking pots are made of
a. graphite. b. sulphur. c. aluminium. d. wood.
4. Water vapour is an example of the state.
a. gaseous b. solid c. liquid d. all of them

[B] Give reasons for :

1. Melting of ice is a physical change.

.....

2. The Sun is a star.

.....

30

Aswan Governorate

Aswan Educational Directorate
Salam Private School

Answer the following questions :

[A] Choose the correct answer :

- An example of non-metals is
a. iron. b. aluminium c. copper. d. carbon.
- Changing of matter from the gaseous state to the liquid state is
a. freezing. b. condensation. c. evaporation. d. melting.
- Car frames is manufactured from iron because it
a. is malleable and ductile. b. is a good conductor of electricity.
c. has luster. d. has high melting point.
- The measuring unit of the volumes of solid objects is
a. metre. b. cm. c. cm^3 . d. km.
- From the examples of physical changes
a. burning of sugar. b. burning of coal.
c. melting of ice. d. burning of wax.

[B] Give reason for the following :

- Sequence of the four seasons.
.....
- Cooking pots are made up of aluminium.
.....

2 [A] Write the scientific term :

- A tool that used in measuring large masses. (.....)
- The substances that don't have definite volumes or shapes. (.....)
- The nearest planet to the Sun. (.....)
- Anything occupies a space and has a mass. (.....)
- One of the solar system planets that has coloured rings around it. (.....)

[B] What happens when ... ?

- Putting a bottle of water in the freezer.
.....

2. Putting a piece of wet iron in a jar filled with dry oxygen.

3 [A] Complete the following :

1. Graphite is a form of carbon and it is a good conductor of
2. The group of has metallic luster, while the group of doesn't have.
3. is the smallest planet, while is the farthest planet from the Sun.
4. Rot of fruits is considered as a change.
5. The length can be measured in some units as and

[B] Here are 4 figures indicating the day and night during 24 hours, write the suitable number under each one :



1.



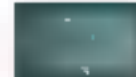

2.



3.



4.

night 
day 

[A] Put (✓) in front of the right sentence and (x) in front of the wrong ones :

1. 1 kilogram = 100 grams. ()
2. The biggest planet is Mars. ()
3. Graduated tape is used in measuring the volume. ()
4. Element is the simplest form of matter that cannot be decomposed into two substances or more. ()
5. We can determine the volume of an irregular small stone by using measuring cylinder. ()
6. Statues are made up of copper. ()

[B] Compare between : A star and a planet :

A star	A planet
.....
.....
.....
.....

Worksheets & Exams

(Guide Answers P. 19)

1 Cairo - Official Language School

1 (A) Complete the following:

- Small ~~masses~~ are measured by using , while the volume of irregular shaped objects is estimated by using
- Increasing water temperature changes it from state to state.
- Dissolving sugar in water is a change ,while burning of sugar is a change.
- Planets are bodies that revolve around the Sun in fixed
- The nearest planet to the Sun is , while the farthest planet is

(B) A book has ■ length 16 cm , its width is half its length and its height is ■ cm.
Calculate its volume?

– The volume of the book

2 (A) Cross the odd word out in each of the following:

- gram – kilogram – kilometer – ton.
- oil – water vapor – milk – juice.
- sulphur – copper – aluminum – gold.
- ruler – centimeter – cylinder – common balance.

(B) What's meant by each of the following?

- Physical change
- Stars
- Evaporation process

(C) Give one difference between each of the following:

Dissolving of sugar	Burning of sugar
.....
The Sun	Earth
.....

3 (A) Choose the correct answer:

- The part of the earth that faces the Sun
 - light doesn't reach it
 - is darker than the other side
 - is a daytime
 - is a nighttime

GEM / Science / Primary 4



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2. has low melting point.
 - a. Aluminum
 - b. Copper
 - c. Sulphur
 - d. Lead
3. All the following are chemical changes except
 - a. burning
 - b. rusting
 - c. recycling of paper
 - d. rotten fruits
4. The earth's axis is
 - a. vertical
 - b. horizontal
 - c. inclined
 - d. No correct answer
5. is a liquid metal.
 - a. Bromine
 - b. Water
 - c. Mercury
 - d. Iron
6. In, night is longer than day.
 - a. summer
 - b. winter
 - c. spring
 - d. autumn

(B) Give a reason for each of the following:

1. The Sun is the only star that can be seen big from Earth although there are stars bigger than it.
.....
2. Graphite is used in manufacturing poles of dry cells.
.....
3. On making tea, water drops are formed on the surface of the tea pot from inside.
.....

4 (A) write the scientific term in front of the following:

1. The simplest form of matter that can't be decomposed into two substances or more. (.....)
2. The dark object that revolves around the earth and reflects sunlight. (.....)
3. The brittle brown layer that is formed on a piece of iron. (.....)
4. The largest body in the solar system. (.....)

(B) Correct the underlined words:

1. In winter and summer seasons, the day hours are equal to the night hours. (.....)
2. Solids change their shapes and volumes according to their containers. (.....)
3. Liter is the measuring unit which is used for measuring the volumes of solids. (.....)
4. Equal volumes of different materials have equal masses. (.....)

(C) What happens when.....?

1. Putting a bottle full of water in the freezer for 24 hours.
2. We heat some pieces of ice strongly.



Worksheets & Exams

2 Exam - Public Language Schools

1 (A) Choose the correct answer:

1. Mars is called the red planet because it contains metal.
(copper – iron – mercury)
2. We use to measure very small masses.
(ruler – common balance – sensitive balance)
3. Carbon (graphite) is used in making
(dry cells – doors – jewels)
4. We use copper in making
(lamp posts – coins – foil paper)

(B) Correct the underlined words:

1. Evaporation is the change of mater from liquid state to solid state. (.....)
2. The biggest planet is Mercury. (.....)
3. Solids take the shape and the volume of their containers. (.....)
4. Metals have medium melting point. (.....)

2 (A) Put (✓) or (X):

1. Burning of sugar is a physical change. ()
2. Neptune is a green planet. ()
3. Paper is from metals. ()
4. The planets revolve (rotate) around the Sun in fixed orbits (paths). ()
5. Oil has a definite volume and indefinite shape so it is a liquid matter. ()
6. Ice is the solid state of water. ()

(B) Ahmed wants to buy things, help him the suitable measuring units:

Things that Ahmed wants to buy	Suitable measuring units
1. Tomatoes to make salad	
2. Gold ring for his mother	
3. Cloth to make a shirt	

3 (A) Use some of these words to complete the following (you don't have to use them all):

summer – winter – spring – Iron rust – grinding of sugar – Mercury – Neptune

1. Day is longer than night during season, while day equals night during
2. The nearest planet to the Sun is, while is the farthest planet.
3. is a chemical change, while is a physical change.

(B) Cross the odd (different) word out:

1. iron – copper – gold – mercury (.....)
2. Earth – Venus – Mars – the Sun (.....)
3. carbon – aluminum – iron – sulphur (.....)

4 (A) Write the scientific term:

1. The most beautiful planet. (.....)
2. The amount of material in the body. (.....)
3. Anything that has mass and volume. (.....)
4. A metal used in making cooking pots nowadays. (.....)
5. It consists of the Sun, 8 planets and other celestial bodies. (.....)
6. The change of matter from gaseous state to liquid state. (.....)

(B) Give a reason for each of the following:

1. We see big stars small in size.
.....
2. We use copper in making electric wires.
.....
3. Wood is a solid substance.
.....



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Worksheets & Exams

3 Cairo - Ain Shams Educational Zone

1 Complete the following sentences:

1. Matter has and
2. Melting of ice is considered change.
3. Elements are classified into and
4. Earth is located between and
5. The sequence of and occurs due to rotation of Earth around its axis.
6. States of matter are and

2 (A) write the scientific term:

1. The amount of matter that an object contains. (.....)
2. Dark objects revolving around the Sun in fixed orbits. (.....)
3. The change of matter from the solid state into liquid state by heating. (.....)
4. The change in the structure of matter that gives a new substance with new properties. (.....)
5. A liquid metal at room temperature. (.....)

(B) Cross the odd word out:

1. aluminum – copper – iron – sulphur (.....)
2. meter – kilometer – centimeter – ton (.....)
3. oil – water – wood – milk (.....)
4. Earth – Mars – the Sun – Venus (.....)

(C) Calculate the volume of your classroom || its length is 5 m, its width is 4 m and its height is 3 m:

3 (A) Choose the correct answer:

1. The space occupied by an object is called
a. length b. width c. mass d. volume
2. Water vapor is an example of the state.
a. gaseous b. liquid c. solid d. (a),(b)
3. Electric wire is made of
a. iron b. gold c. silver d. copper

GEM / Science / Primary 4



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4. The biggest planet in the solar system is
 a. Earth b. Mars c. Jupiter d. Venus
5. Hours of day are nearly equal to that of night in the seasons.
 a. Winter and summer b. summer and spring
 c. spring and autumn d. autumn and winter

(B) Fill the missing parts in the following table:

P.O.C	Solid	Liquid	Gaseous
Volume
Shape	indefinite
Example	iron –	water – oil – nitrogen

4 (A) Correct the underlined words:

- The graduated tape is used to measure the mass of fruits.
.....
- Condensation is the change of matter from gaseous state to solid state.
.....
- Metals have low melting point.
.....
- Jupiter is the most beautiful planet.
.....
- Burning of sugar is considered a physical change.
.....
- Equal volumes of different substances have the same masses.
.....

(B) What is meant by ...?

Evaporation
.....

(C) Give a ~~reason~~ for each of the following:

- Sun is a star.
.....
- Air is matter.
.....

Worksheets & Exams

4 Cairo El Khalefa & Makarem Educational Zone - Future Language School

1 (A) Choose the correct answer:

- A ruler is used to measure
a. mass b. length c. volume of liquid
- Gold is used in the manufacturing of
a. bridges b. planes c. jewels
- Among gaseous non-metals is
a. iron b. copper c. oxygen
- The biggest planet is
a. Jupiter b. Mercury c. moon
- The change of matter from solid state to liquid state is called
a. evaporation b. condensation c. melting
- The red planet is
a. Mars b. Earth c. Venus
- A stone is put in a jar containing 20 cm^3 of water. If water rises up to 40 cm^3 , then the volume of the stone equals cm^3 .
a. 20 b. 30 c. 40
- Moons are followers to the
a. planets b. comets c. meteors

(B) What happens when?

- Earth rotates around its axis.
.....
- Leaving a piece of iron wire in wet air.
.....

2 (A) Complete:

- Matter is anything that has and
- Bromine is a liquid, while mercury is a liquid
- Matter exists in three states liquid, and
- The continuity of decreasing water temperature changes it from state to state.

GEM / Science / Primary 4



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(B) Choose from column (A) what is suitable for column (B):

(A)	(B)
1. Aluminum	used in electric wires.
2. Iron	used in foil paper.
3. Copper	used in making positive pole of batteries.
4. Carbon (graphite)	used in car frames.

3 (A) Give a reason for each of the following:

1. Aluminum is a good conductor of heat.
2. Stars seem very small in size.

(B) Write the scientific term for each of the following:

1. Shiny objects that radiate heat and light and appear in the sky at night. (.....)
2. The unit which is used for measuring length. (.....)
3. A change in the shape only not in the structure. (.....)
4. The state of matter that has a definite volume only. (.....)
5. The change of matter from gaseous state into liquid state when cooling. (.....)
6. Elements that have luster. (.....)

(C) Put each word in the suitable place:

(shorter – longer)

1. In summer, the day is than the night.
2. In winter, the day is than the night.

4 (A) Put (✓) or (X):

1. The most beautiful planet is Venus. ()
2. Mass is the space occupied by matter. ()
3. Metals have low melting point. ()
4. Evaporation is the change of matter from liquid to gas by heating. ()
5. Earth revolves around the Sun once every day. ()
6. Neptune is the nearest planet to the Sun. ()

(B) Classify the following into:

(chemical change or physical change)

1. No new substance is formed
2. New properties appear
3. A new substance that differs from the original one is formed



Worksheets & Exams

5 Cairo - El Zetoun Educational Administration - El Gomhouria Language School

1 (A) Complete the following sentences:

1. States of matter are _____, liquid and _____.
2. _____ is a liquid metal, while _____ is a liquid non-metal.
3. The _____ is located in the center of the solar system and there are _____ revolving around it in definite orbits.
4. Air is matter because it has _____ and _____.
5. The red planet is _____ and the cold planet is _____.
6. Melting of ice is considered a _____ change, while burning of sugar is a _____ change.

(B) A measuring cylinder contains 30 cm^3 of water when an irregular stone was put in it, the level of water became 40 cm^3 , Find the volume of the stone.

The volume of the stone = _____

(C) What happens when

1. You put a bottle of water in the freezer.

2. Earth rotates around itself.

2 (A) Choose the correct answer:

1. Gold and silver are used in the manufacturing of _____. (bridges – planes – jewels)
2. Gram and kilogram are units of measuring _____. (mass – length – volume)
3. _____ is the only non-metal that is a good conductor of electricity.
(Mercury – Bromine – Carbon)
4. Moons revolve around _____. (stars – asteroids – planets)
5. The number of the day hours is equal to the number of the night hours in _____.
(summer – winter – spring)
6. Changing of matter from solid state to liquid state is called _____.
(evaporation – condensation – melting)

(B) Give a reason for each of the following:

1. Cooking pots are made of aluminum. _____
2. The Sun is a star. _____
3. Milk is a liquid. _____

GEM / Science / Primary 4



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3 (A) Write the scientific term:

1. The space that is occupied by matter. (.....)
2. The simplest form of matter that cannot be analyzed into two or more substances. (.....)
3. The tool that is used in the measuring of small masses. (.....)
4. The state of matter that has a definite volume, but an indefinite shape. (.....)
5. The brittle brown layer that is formed on a piece of iron. (.....)
6. The dark object that revolves around Earth and reflects the sunlight falling on it. (.....)

(B) Mention one use for each of the following:

1. Iron.
2. Graduated tape.

(C) Cross the odd word out in each of the following:

1. oxygen – wood – nitrogen – carbon dioxide. (.....)
2. sulphur – copper – aluminum – iron. (.....)
3. kilogram – kilometer – meter – centimeter. (.....)

4 (A) Correct the underlined words:

1. Shapes and volumes of solids change according to the container. (.....)
2. We can determine the volume of a stone that doesn't dissolve in water by using graduated ruler. (.....)
3. Equal volumes of different materials have equal masses. (.....)
4. The axis of Earth is vertical. (.....)
5. Earth is the fourth planet away from the Sun. (.....)
6. Non-metals have high melting point. (.....)

(B) What is meant by?

1. Mass.
2. Evaporation.

(C) Arrange the planets from the nearest to the farthest from the Sun:

(Uranus – Neptune – Mercury – Earth)

.....

.....

.....

Worksheets & Exams

6 Cairo - El Salam Educational Zone - Pioneer Integrated School

1 (A) Put (✓) or (X):

1. Earth rotates around its axis once every year. ()
2. Iron and wood are solid substances. ()
3. In winter the day and night are not equal. ()
4. Water vapor is the liquid state of water. ()
5. Melting of ice is a chemical change. ()

(B) Classify the following materials in the following table into solids, liquids and gases:

milk - wood - water - oxygen - ice - water vapor

Solids	Liquids	Gases

2 Complete the following:

1. Matter is characterized by having and
2. The length of a room is measured in
3. Oxygen gas occupies a space, so it has a
4. is a dark body, but it seems bright as it reflects
5. Burning ■ piece of paper is considered a change.
6. Cooking pots are made of
7. Earth planet lies between planet and planet.
8. In the matter, the volume and the shape don't change.

3 (A) Choose the correct answer:

1. The decrease in temperature (cooling) is accompanied by
(melting - condensation - evaporation)
2. The space occupied by matter is known ■ (length - mass - volume)
3. is considered one of the gases. (milk - wood - oxygen)
4. Matter has only states. (one - two - three)
5. The nearest planet to the Sun is (Uranus - Mercury - Earth)
6. Five meters equal cm. (200 - 500 - 20)

GEM / Science / Primary 4



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(B) Arrange the following planets from the nearest to the farthest from the Sun:

Neptune – Earth – Mercury – Mars

4 (A) Write the scientific term:

1. Anything that has mass and volume. ()
2. The element that is used in making statues and coins. ()
3. The dark body that revolves around the Sun and we live on it. ()
4. Amount of matter in an object. ()
5. The change of matter from the solid state into the liquid state. ()

(B) Give a reason for each of the following:

1. Glass is matter.

.....

.....

.....

.....

2. Air has a volume.

.....

.....

.....

.....



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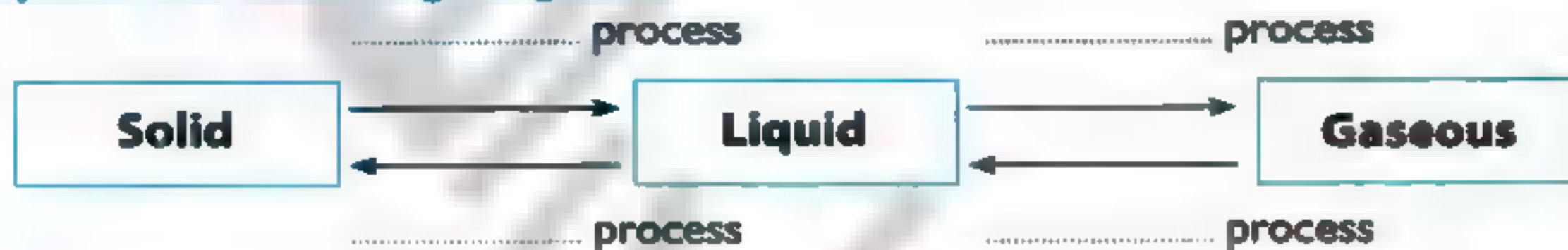
Worksheets & Exams

7 Cairo Rod El Fung Educational Directorate - Ahd Gieded Language School

1 (A) Choose the correct answer:

- We use to measure length.
(common balance – measuring tape – sensitive balance)
- Iron is used in making
(dry cell – car chassis – wires)
- (Aluminum – Gold – Sulphur) is an example of non-metals.
- The smallest planet is
(Mercury – Jupiter – Saturn)
- has low melting point.
(Aluminum – Sulphur – Copper)
- Gram and kilogram are units of measuring
(mass – length – volume)

(B) Complete the following diagram:



(C) Problem:

A mobile phone has a length of 10 cm and width of 5 cm, and its height is 1 cm. Calculate its volume.

2 (A) Complete the following sentences:

- The nearest planet to the Sun is while the farthest planet is
- The states of matter are and
- Matter has and
- Burning of wood is a change ,while melting of wax is change.
- Day is longer than night in

(B) Give a reason for each of the following:

- Car is matter.

- The sequence of day and night.

GEM / Science / Primary 4



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3 (A) Put (✓) or (X):

1. The liquid matter has definite shape and definite volume. ()
2. Saturn has colored rings around it. ()
3. Carbon and sulphur have a luster. ()
4. Sensitive balance is used to measure the mass of jewels. ()
5. The number of planets that revolve around the Sun is 9 planets. ()
6. The closest two planets to Earth are Mars and Saturn. ()

(B) Arrange the following planets from the nearest to the farthest from the Sun.

Earth – Jupiter – Uranus – Mercury – Mars – Neptune – Saturn – Venus

4 (A) What is the use of?

1. Common balance →
2. Sensitive balance →

(B) Write the scientific term of each of the following:

1. Everything that has mass and volume. (.....)
2. The season in which day is shorter than night. (.....)
3. The simplest form of matter that can't be analyzed. (.....)
4. The biggest planet in the solar system. (.....)



Worksheets & Exams

8 Cairo - Experimental Zone

1 (A) Complete the following statements:

1. is used to measure volume of liquids.
2. Ice melts into water by
3. Gold is used in making
4. The rotation of Earth around the Sun the sequence of
5. The most beautiful planet is
6. Evaporation of water is a change.

(B) Give a reason for each of the following:

1. The moon looks shiny, although it is a dark body.
.....
2. Copper is used in making electric wires.
.....
3. Air is matter.
.....

2 (A) Write the scientific term:

1. Shining bodies that radiate heat and light and appear in the sky at night. (.....)
2. The amount of matter in an object. (.....)
3. The state of matter that has definite shape and volume. (.....)
4. The change in the shape and structure of matter. (.....)
5. The only liquid metal. (.....)
6. The in which the day is longer than the night. (.....)

(B) Cross the odd word out:

1. water – ice – oil – milk.
2. cubic meter – liter – kilogram – cubic centimeter.
3. summer – winter – August – spring.
4. copper – gold – carbon – aluminum.
5. Jupiter – Sun – Earth – Mars.
6. burning of sugar – rusting of iron – melting of wax – burning of paper.

3 (A) Correct the underlined words:

1. Solid takes the shape of its container. (.....)
2. The coldest planet is Neptune. (.....)
3. Small masses are measured by graduated tape. (.....)
4. Non-metals are good conductors of heat and electricity. (.....)
5. Earth rotates around itself every 30 days. (.....)
6. Moons are dark bodies that rotate around the Sun. (.....)

(B) Choose the correct answer:

1. The distance between cities is measured in (meter – kilometer – kilogram)
2. The biggest body in the solar system is (the Sun – Earth – Jupiter)
3. A non-metal that is a good conductor of electricity is (copper – sulphur – carbon)
4. of sugar is a chemical change. (Grinding – Dissolving in water – Burning)
5. The day is not equal to the night in
(summer and autumn – spring and autumn – summer and winter)
6. Table salt is an example of state. (solid – liquid – gaseous)

4 (A) Put (✓) or (X):

1. Rusting of iron is a physical change. ()
2. Iron is used in making bridges. ()
3. Condensation changes water vapor into water. ()
4. Gold has indefinite shape and definite volume. ()
5. Volume of regular solid = length + width + height. ()
6. Earth rotates around the Sun every 355 days. ()

(B) Choose from column (B) what suits in column (A):

Column (A)	Column (B)
1. Aluminum	a. is a measuring tool of mass.
2. Mercury	b. is the red planet.
3. Freezing	c. is the change in the shape of matter.
4. Common balance	d. is used in making cooking pots.
5. Physical change	e. is the smallest planet.
6. Mars	f. is the change of matter from liquid to solid.

1. 2. 3. 4. 5. 6.



Worksheets & Exams

9 Cairo - Abdin Directorate - Good Shepherd School

1 (A) Complete the following statements:

1. Elements are classified into and
2. The common balance is used to , while the tape is used to
3. Earth rotates around the Sun every , while it rotates around itself every
4. Burning of paper is a change, while melting of wax is a change.
5. In and seasons the day hours are equal to the night hours.
6. States of matter are solid, and

(B) Correct the underlined words:

1. Melting process is the change from liquid state to solid state. (.....)
2. 4 kg = 100 gm. (.....)
3. Bromine is a liquid metal. (.....)
4. The red planet is Jupiter. (.....)

2 (A) Write the scientific term:

1. The simplest form of matter that can't be decomposed into other substances. (.....)
2. The dark body that reflects sunlight. (.....)
3. The unit that is used to measure small masses. (.....)
4. The change of matter from liquid state to gaseous state. (.....)
5. The space that is occupied by matter. (.....)

(B) Give a reason for each of the following:

1. The Sun appears as the biggest star.
.....
2. Carbon is used in making the battery.
.....

3 (A) Choose the correct answer:

1. Cooking pots are made up of
a. iron b. aluminum c. copper

2. The most beautiful planet is
 a. Earth b. Venus c. Mercury
3. Gram and kilogram are units of measuring
 a. mass b. length c. volume
4. If a stone is put in a jar containing 30 cm^3 of water and the water's level rises up to 50 cm^3 , then the volume of the stone equals
 a. 80 cm^3 b. 30 cm^3 c. 20 m^3

(B) What happens when?

1. You expose an iron nail to moist air.

2. Earth rotates around its axis.

(C) Rearrange the following planets according to their distance from the Sun:

Neptune – Venus – Mars – Mercury – Jupiter – Earth

- | | | |
|---------|---------|---------|
| 1. | 2. | 3. |
| 4. | 5. | 6. |

4 (A) Put (✓) or (X) in front of each of the following:

- | | |
|--|--------|
| 1. Fruit and vegetables are measured by the sensitive balance. | () |
| 2. The day is longer than the night in winter. | () |
| 3. There are three states of matter. | () |
| 4. Oxygen gas is from non-metals. | () |
| 5. Dissolving sugar is a chemical change. | () |
| 6. Water vapor condenses when it touches a cold surface. | () |

(B) Cross the odd word out:

1. gold – copper – iron – sulphur

2. cm^3 – ml – kg – L

3. wood – milk – water – alcohol



Worksheets & Exams

10 Giza - El Haram Directorate - Modern Fadi Language School

1 Complete the following:

1. Measuring ruler is used to measure
2. substance has definite shape and definite volume.
3. Dissolving sugar in water is a change.
4. is a shining star that radiates light and heat.
5. Changing in matter state from gas to liquid by cooling is called
6. Earth rotates around its axis causing the sequence of

2 Choose the correct answer:

1. The suitable unit in estimating the mass of gold is
(meter – centimeter – gram – kilogram)
2. Changing the state of matter from solid to liquid by heating is
(melting – evaporation – condensation – freezing)
3. is a bad conductor of heat.
(Copper – Aluminum – Iron – Carbon)
4. State(s) of matter is (are)
(solid and gaseous only – liquid only – gaseous only – solid, gaseous and liquid)
5. The nearest planet to the Sun is
(Earth – Mercury – Mars – Venus)
6. Earth revolves around the Sun once every
(day – week – month – year)

3 (A) Write the scientific term:

1. The amount of matter in an object. (.....)
2. Changing the matter from liquid into solid by cooling. (.....)
3. The simplest form of matter that cannot be decomposed into two substances or more. (.....)
4. The result of the apparent rotation of the Sun. (.....)



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B Choose from column (B) what is suitable for column (A):

(A)	(B)
1. Planets rotate	a. have no luster.
2. The Moon rotates	b. have luster.
3. Metals	c. around the Sun.
4. Non-metals	d. around Earth.

1. 2. 3. 4.

4 (A) Put (✓) in the front of the correct and (X) in the front of the wrong

1. Iron is used in making car frames. ()
2. Burning of paper is a physical change. ()
3. Gases have definite volumes and definite shapes. ()
4. Carbon is a good conductor of electricity. ()

(B) A graduated cylinder has 80 cm³ of water; a small cube of iron is submerged in it the volume of the water became 100 cm³. Calculate the volume of the cube.

1. The volume of the water before submerging the cube =
2. The volume of the water after submerging the cube =
3. The volume of the cube =



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Worksheets & Exams

11 Giza – Modern Narmar Language School

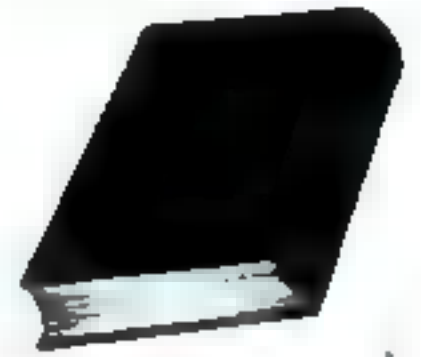
1 (A) Complete the following sentences:

1. All metals are at normal temperature except which is a liquid.
2. Water can change into ice by
3. 1 kilogram = grams.
4. There are planets in the solar system.
5. Burning sugar is a change.

(B) Correct the underlined words:

1. The nearest planet to the Sun is Venus.
2. Carbon is used in making electric wires.
3. The ruler is used to measure the mass of an object.
4. Solids have indefinite shapes and indefinite volumes.

- (C) Calculate the volume of a book, if its length is 10 cm,
its width is 3 cm and its height is 2 cm.



2 (A) Write the scientific term:

1. They have definite shapes and definite volumes.
2. The planet on which we live.
3. Anything that has a mass and volume.
4. A change in the structure of a substance producing new substances with different properties.
5. The tool used to measure the volume of liquids.

(.....)
(.....)
(.....)
(.....)
(.....)

(B) What happens in the following cases?

1. Earth rotates around its axis once every 24 hours.
2. If you put a piece of wax on a heated iron bar.
3. If you hammer a piece of coal.

(C) Choose from column (A) what suits in column (B):

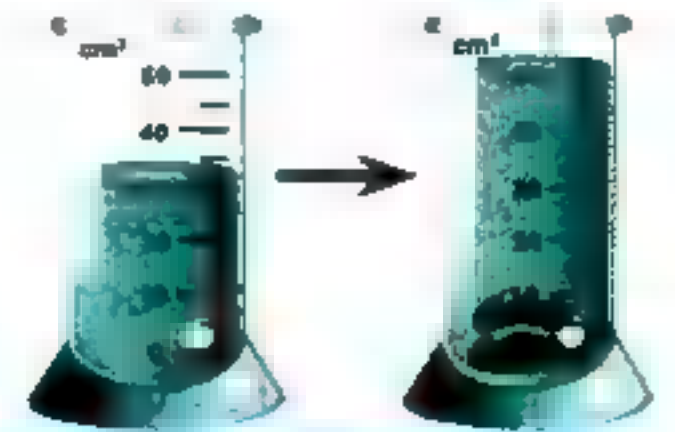
(A)	(B)
1. Sulphur	a. is a liquid non-metal.
2. Mercury	b. is the farthest planet from the Sun.
3. Neptune	c. is a solid non-metal.
4. Bromine	d. is the nearest planet to the Sun.

1. 2. 3. 4.

3 (A) Give a reason for each of the following:

1. On your way to school, you notice the presence of water drops on cars.
2. Aluminum is used in making cooking pots.
3. Dissolving sugar in water is a physical change.

(B) Calculate the volume of each marble: (The two marbles have equal volumes)



(C) Compare between:

Metals	Non-metals
1. They are good conductors of heat.	1. They are poor conductors of heat.
2. They have high melting point.	2. They have low melting point.

4 (A) Choose the correct answer:

1. 1 ton equals
a. 100 grams b. 1000 kg c. 100 kg d. 1000 g
2. The change of matter from solid to liquid is called
a. freezing b. evaporation c. melting d. condensation
3. is the only chemical change.
a. Burning of wood b. Melting of ice
c. Copper malleability into wires d. Breaking of chalk
4. Coins are made of
a. carbon b. copper c. sulphur d. oxygen
5. The nearest neighbor to Earth is
a. Venus b. Jupiter c. Mercury d. the moon

(B) Circle the odd word:

1. oil – silver – Pepsi – orange juice
2. kilometer – meter – common balance – centimeter.

(C) Look at the figures and answer:

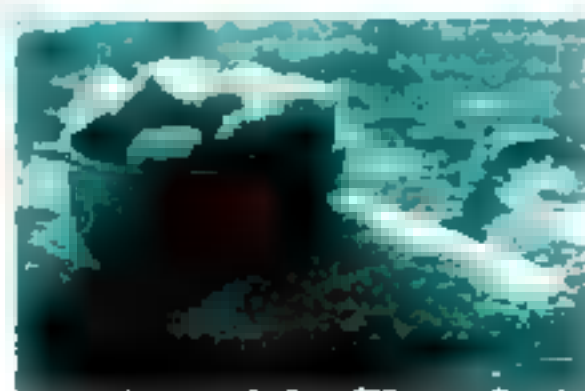


Figure (1)

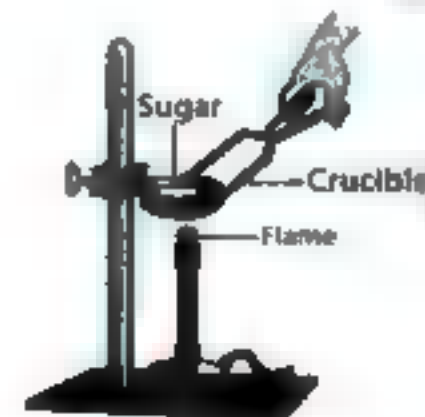


Figure (2)

1. If you grind the sugar cubes in figure (1), it is a change.
2. If you burn the sugar cubes in figure (2), it is a change.

Worksheets & Exams

12 Giza - Science Inspection

1 (A) Complete the following statements by the following words:

physical – Mercury – metal – Neptune – chemical – mass –
liquid – length – gaseous – Jupiter.

- The smallest planet is _____, while the biggest planet is _____.
- Melting of ice is considered a _____ change, while burning of sugar is a _____ change.
- Kilogram is the unit of measuring _____, while meter is the unit of measuring _____.
- The blue planet is _____.
- Silver is a shiny element, so it belongs to the _____ group.
- Condensation is the change of matter from _____ state to _____ state by cooling.

(B) If the length of a box is 4 cm, its width is 3 cm and its height is 2 cm, find its volume.

$$\begin{aligned} \text{The volume} &= \dots \times \dots \times \dots \\ &= \dots \times \dots \times \dots = \dots \end{aligned}$$

2 (A) Write the scientific term for each of the following:

- Dark bodies that revolve around the Sun. (.....)
- The amount of matter that the object contains. (.....)
- The biggest body in the solar system. (.....)
- The simplest form of matter that can't be analyzed (decomposed) into two or more substances. (.....)
- The most beautiful planet. (.....)
- The tool that is used in measuring the mass of fruits. (.....)

(B) Choose from column (B) what suits it in column (A):

(A)	(B)
1. Moon	a. is used in making bridges.
2. Iron	b. Such as water - oil.
3. Liquid matter	c. reflects sunlight.

1. 2. 3.

3 (A) Give a reason for each of the following:

- Book is matter.
Because it has a and

2. Cooking pots are made of aluminum.

Because aluminum is a conductor of

3. The sequence of day and night.

Due to the rotation of the around

(B) Correct the underlined words:

1. The space that is occupied by matter is called mass. (.....)
2. Non-metals have high melting point. (.....)
3. Liquid matter has definite shape and definite volume. (.....)
4. Uranus is known as red planet. (.....)
5. All metals are solids except bromine which is a liquid element. (.....)
6. The graduated tape is used to measure the volume. (.....)

4 Choose the correct answer:

1. The number of planets in the solar system is
(8 – 7 – 9)
2. In summer season the day hours are the night hours.
(longer than – shorter than – equal to)
3. is an example of gaseous state.
(Oxygen – Oil – Wood)
4. is the change of matter from solid state to liquid state.
(Melting – Freezing – Evaporation)
5. Carbon is used in making
(statues – wires – dry cells (batteries))
6. Moons revolve around
(stars – asteroids – planets)
7. Matter exists in states.
(three – four – two)
8. The Earth's axis is
(vertical – inclined – horizontal)

Worksheets & Exams

13 Alexandria - Wasat Educational Zone

1 Complete the following sentences:

1. Measuring cylinder is used for measuring of solid object.
2. There is a definite and in solid state.
3. Melting ice is a change, while rusting of iron is a change.
4. Decreasing water temperature changes it from state to state.

2 (A) Choose the correct answer:

1. Cooling is accompanied with
(melting – condensation – evaporation)
2. If the dimensions of your book are 10, 5 and 2 cm, then the volume of the book equals cm^3 .
(17 – 52 – 100)
3. Cooking pots are made up of
(graphite – aluminum – sulphur)
4. The biggest body in the solar system is
(Jupiter – Earth – the Sun)
5. The sequence of day and night occurs due to the rotation of
(Earth around the Sun – Earth around its axis – the Sun around its axis)
6. The dark body that revolves around Earth and reflects sunlight is called
(planet – moon – star)

(B) Compare between the following concerning their measuring units:

Mass	Volume

3 (A) Write the scientific term for each of the following:

1. The simplest form of matter that cannot be decomposed into two substances or more. (.....)
2. A change in liquid state to gaseous state by heating. (.....)
3. Anything that has a mass and volume. (.....)
4. A season in which the day is equal to the night. (.....)

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5. Time of sunset - time of sunrise. (.....)

6. The planet that has the biggest number of moons. (.....)

(B) What is meant by?

1. Volume:

.....

2. Melting:

.....

4 (A) Correct the underlined words:

1. Equal volumes of different materials have equal masses. (.....)

2. Earth is located between Mercury and Venus. (.....)

3. Earth rotates around its axis every 28 hours. (.....)

4. Shadow is resulted from the rotation of the Sun around its axis. (.....)

5. Bromine is the solid non-metal. (.....)

6. The Sun is the biggest star in size. (.....)

(B) Give one reason for each of the following:

1. Graphite (Carbon) is used in the manufacturing of dry cell poles.

.....

2. Gaseous matter takes the shape and the volume of its container.

.....



Worksheets & Exams

14 Alexandria - El Matruh - Directorate - Science Department - Brilliance Language School

(A) Choose the correct answer:

- is a liquid metal.
a. Brilliance b. Sulphur c. Mercury
- The planet which has colored rings around it is
a. Neptune b. Saturn c. Earth
- The matter has definite shape and definite volume.
a. solid b. liquid c. gaseous
- Earth rotates around its axis once every
a. year b. 24 hours c. 365 hours
- Common balance is used for measuring
a. mass b. length c. volume
- is an example of a physical change.
a. Burning wood b. Iron rust c. Melting of wax

(B) Correct the underlined words:

- Copper is used in making bridges. (.....)
- The Sun is a planet and it emits light. (.....)
- Matter exists in four states. (.....)
- Non-metals have high melting point. (.....)
- Grinding of sugar is a chemical change. (.....)
- Graduated cylinder is used to measure the mass. (.....)

2 (A) Put (✓) or (X):

- The biggest planet is Mercury. ()
- Water vapor is an example of liquid state. ()
- Cutting of paper is a chemical change. ()
- Melting is the change of matter from solid state to liquid state. ()
- Electric wires are made of gold. ()
- Mars is called the red planet. ()

(B) Write the scientific term:

- The state of matter that has definite volume and takes the shape of its container. (.....)
- The dark body that looks shiny because it reflects the sunlight. (.....)
- The amount of matter that an object contains. (.....)
- Change in the structure of matter that gives new substance with properties. (.....)

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5. A change of matter from gaseous state to liquid ~~state~~ by cooling. (.....)
6. Elements that have metallic luster and have high melting point. (.....)

3 (A) Complete:

- Freezing is the change of matter from state into state.
- Earth revolves around the Sun once every and this causes
- Cooking pans are made of, while car frames are made of

(B) Give a reason for each of the following:

- Air is matter.
.....
- Gold and copper are solids
.....
- Sequence of day and night
.....

4 (A) Cross the odd word out:

- oxygen – wood – nitrogen – carbon dioxide. (.....)
- gold – sulphur – copper – iron. (.....)
- Jupiter – Saturn – Sun – Neptune. (.....)
- kilogram – kilometer – meter – centimeter. (.....)
- water – milk – oxygen – oil. (.....)

(B) Calculate the volume of a cuboid, if its length is 5 cm, its width equals 3 cm and its height equals 2 cm. (Don't forget the rule and the unit)

.....

.....

(C) Classify the following changes into physical changes and chemical changes:

- | | | |
|------------------------------|------------------|--------------------|
| 1. Dissolving sugar in water | 2. Rotten fruits | 3. Rusting of iron |
| 4. Melting of ice | 5. Making yogurt | |

Physical change

Chemical change

.....
.....
.....
.....



Worksheets & Exams

15 Qalubia - Science: Integration

1 (A) Complete the following statements:

1. The continuity of decreasing water temperature changes it from the state to the state.
2. Earth lies between planet and planet.
3. Iron is used in the manufacturing of and

(B) Give a reason for each of the following:

1. Gold is considered an element.
2. Oxygen is a gaseous matter.
3. Melting of wax is a physical change.

2 (A) Choose the correct answer:

1. If the dimensions of a mobile phone are 10, 6 and 2 cm, then its volume equals cm^3 .
a. 50 b. 100 c. 120 d. 18
2. A liquid non-metal is
a. mercury b. water c. bromine d. lead
3. The central body of the solar system is
a. Earth b. the Sun c. the moon d. Mars
4. Metals have melting and boiling points.
a. no b. low c. intermediate d. high
5. Statues are made up of
a. iron b. aluminum c. carbon d. copper
6. Earth's axis is
a. vertical b. inclined
c. horizontal d. all the previous answers

(B) What happens when?

1. Water is boiled for a long period of time.
2. Earth rotates around its axis.
3. Leaving a dish containing salty water in the air for a period of time.

3 (A) Write the scientific term:

1. The change of matter from solid state to liquid state by heating. (.....)
2. The unit which is used to measure small lengths. (.....)
3. The change that occurs during digestion of food. (.....)

(B) Put (✓) or (X) and correct the wrong ones:

1. 2 kilograms = 100 grams. ()
2. The positive pole of the dry cell is made of a metallic element which is carbon. ()
3. Earth rotates around its axis once every 24 days. ()

4 (A) Choose from column (B) what suits in column (A):

(A)	(B)
1. Nitrogen	a. is a solid metal.
2. Cubic meter	b. is a non-metal gas.
3. Kilogram	c. is used to measure the volumes.
4. Copper	d. is a non-metal solid.
	e. is used to measure large masses.

1. 2. 3. 4.

(B) Write one for each of the following:

1. Sensitive balance:

.....

2. Measuring ruler:

.....

(C) Cross the odd word out:

1. Earth – Moon – Jupiter – Uranus. (.....)
2. oxygen – nitrogen – carbon dioxide – iron. (.....)
3. copper – carbon – aluminum – iron. (.....)
4. cm^3 – cm – liter – m^3 . (.....)

Worksheets & Exams

16 Dakahlia Educational Directorate

1 (A) Choose the correct

- The volume of a solid material is measured in (cm – cm² – cm³)
- The number of day hours equal to the number of night hours in (summer – winter – spring)
- The number of planets in the solar system is (8 – 6 – 12)
- The carbon is characterized by being (good conductor of heat – good conductor of electricity – malleable)
- Statues made up of (copper – sulphur – carbon)
- Common balance is used for measuring the (length – mass – volume)

(B) Choose from column (B) what is suitable in column (A):

(A)	(B)
1. Condensation	a. is the space occupied by an object.
2. Evaporation	b. are the states of matter.
3. Melting	c. is anything that has a mass and volume.
4. Matter	d. is the change from solid to liquid.
5. Solid - Liquid - Gas	e. is the change from liquid to gas.
6. Volume	f. is the change from gas to liquid.

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-

2 (A) Complete the following statements:

- The measuring units of length are and
- and are the nearest planets to Earth.
- Iron is used in the manufacturing of but aluminum is used in the manufacturing of

(B) Complete the following table:

	Solid	Liquid	Gas
Example	air
Shape	indefinite
Volume	definite

GEM / Science / Primary 4



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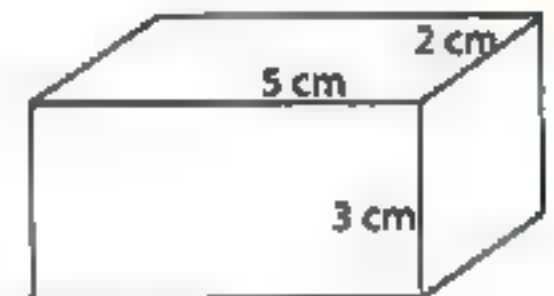
3 (A) Put (✓) or (X):

1. Gold industries need freezing process. ()
2. Glass, iron and water vapor are solids. ()
3. The moon is a dark body that revolves around Earth. ()
4. The biggest planet is Venus. ()
5. One kilogram = 100 grams. ()
6. Sulphur and Iron have low melting points. ()

(B) Calculate the volume of the opposite cuboids:

The volume = length × width × height

$$= \dots \times \dots \times \dots = \text{cm}^3$$



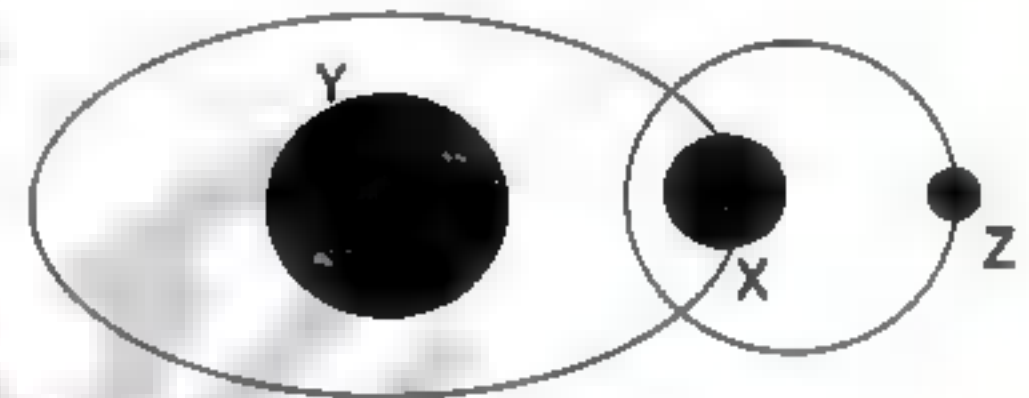
(C) Correct the underlined words:

1. The only liquid metal is copper. ()
2. The Earth's axis is vertical. ()
3. Length is the amount of matter in an object. ()

4 (A) Fill in the spaces:

The figure shows the Sun, the Moon and Earth.

1. Shape (X) is called
2. Shape (Y) is called
3. Shape (Z) is called
4. The farthest planet from the Sun is



(B) Write the scientific term:

1. Liquid non-metals. ()
2. Shining bodies that radiate heat and light. ()
3. The tool that is used to measure small masses such as jewelry. ()
4. The red planet. ()

(C) Classify the following into physical and chemical changes:

The change	The type of change
1. Melting of ice	
2. Producing a new substance	
3. Burning of sugar	
4. Cutting of paper	



Worksheets & Exams

17 Beheeta - Rashid Director

1 (A) Complete the following sentences:

1. There are three states of matter: solid, and
2. Mars is known as, while Neptune is
3. Melting of wax is considered a change, while burning of sugar is a change.
4. Earth revolves around the Sun once every, while it rotates around its axis once every
5. In and seasons the day equals the night.

(B) Mention use for each of the following:

1. Aluminum.

.....

2. Common balance.

.....

2 (A) Write the scientific term:

1. The most beautiful planet. (.....)
2. The change of matter state from solid state to liquid state. (.....)
3. Anything that has a volume and mass. (.....)
4. The biggest body in the solar system. (.....)
5. A state of matter that doesn't have a definite volume or shape. (.....)
6. The group of elements that have luster and are good conductors of heat and electricity. (.....)

(B) A wooden box's length is 5 cm, its width is 3 cm, and its height is 2 cm. Calculate the volume of this wooden box.

.....

.....

.....

3 (A) Choose the correct answer:

1. All the following are elements except
 a. water vapor b. copper c. iron
2. The Earth's axis is
 a. vertical b. horizontal c. inclined

3. Two kilograms equal grams.
 a. 20 b. 200 c. 2000
4. Gold and silver are used in the manufacturing of
 a. bridges b. electric wires c. jewels

(B) Give reason for each of the following:

1. Rusting of iron is considered a chemical change.

2. The sequence of day and night.

3. Milk and water are liquids.

4. The moon is a dark object although we see it shining at night.

4 (A) Cross the odd word out:

1. liter – cm^3 – m^3 – ton. (.....)
2. sulphur – phosphorus – bromine – carbon. (.....)
3. evaporation – condensation – burning – freezing. (.....)

(B) What happens when?

1. Putting a bottle of water in the freezer.

2. Earth revolves around the Sun.

(C) Arrange the following planets from the nearest to the farthest from the Sun:

(Uranus - Neptune - Mercury - Earth)

.....

.....

.....

.....

.....



Worksheets & Exams

18 Beheira Directorate of Education - Zaitoun Governmental Language School

1 (A) Complete the following:

1. Measuring ruler is used for measuring
2. On transferring water from one pot to another, it
3. All the materials you see in your environment are made of
4. Chemical change is a change in
5. Earth is located between and
6. In and the day equals the night.

(B) Choose the correct answer:

1. The nearest planet to the Sun is (Earth – Mercury – Neptune – Jupiter)
2. Mars is known as the planet. (blue – red – black – green)
3. Which of the following is a chemical change that happens to a piece of paper?
(Bending it – Burning it – Cutting it)
4. Electric wires are made of (sulphur – carbon – copper)
5. Cooling is accompanied with process. (melting – condensation – evaporation)
6. The volume of solid material is measured in (cm – cm² – cm³ – meter)

2 (A) Choose from column (B) what is suitable for column (A):

(A)	(B)
1. The change of matter from liquid state into gaseous state.	Melting
2. The change of matter from gaseous state into liquid state.	Freezing
3. The change of matter from solid state to liquid state.	Condensation
4. The change of matter from liquid state to solid state.	Evaporation

1. 2. 3. 4.

(B) Compare between:

Star	Planet

(C) Define:

Physical change:

GEM / Science / Primary 4



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3 (A) Give a reason for each of the following:

1. Aluminum is used in making cooking pot.
.....
2. Air is matter.
.....
3. Milk is liquid.
.....
4. Although the moon is a dark body we see it shining.
.....
5. The sequence of day and night.
.....

(B) What happens when?

1. Putting a bottle of water in the freezer.
.....
2. Putting a piece of wet iron in a jar filled with oxygen.
.....

(C) Arrange the planets according to their distance from the Sun.
.....**4 (A) Problem:**

Your classmate placed a piece of iron into a 50 cm^3 beaker filled completely with water, and a quantity of water of volume 20 cm^3 was poured out of the beaker.

Calculate the volume of the piece of iron.

(B) Classify into chemical change and physical change:

1. Paper recycling.
.....
2. Production of yogurt from milk.
.....
3. Melting of chocolate.
.....

(C) Write the scientific term:

1. The change that is accompanied by new properties. (.....)
2. The non-metal which is a good conductor of electricity. (.....)
3. The planet that has colored rings around it. (.....)



Worksheets & Exams

19 Beheira - Damanhour Education Sector - Safwa Language Schools

1 (A) Complete the following statements:

- is the tool used to measure the mass of fruits and vegetables.
- Liquid matter has volume and shape.
- Burning an amount of sugar is a change.
- is the red planet, while is the blue planet.
- is a liquid metal, whereas is a liquid non-metal.

(B) What happens when?

- Earth rotates around its axis.
- The Earth's axis is vertical.

2 (A) Choose the correct answer:

- The Earth revolves around the Sun once every
a. 365 years b. 24 years c. 365 $\frac{1}{4}$ days d. 24 hours
- The nearest planet to the Sun is
a. Earth b. Mercury c. Neptune d. Jupiter
- is a gaseous non-metal.
a. Bromine b. Oxygen c. Copper d. Iron
- Iron, wood and gold are examples of matter.
a. solid b. liquid c. gaseous d. (b and c)
- is one of the measuring units used to measure the length of any object.
a. Centimeter b. Kilogram c. Gram d. Liter
- is an example of the physical change.
a. Dissolving of sugar in water b. Fermentation of fruit
c. Burning of a candle d. Rusting of iron

(B) Define:

- Evaporation:
- Mass:

(C) Compare between:

Points of comparison	Metals	Non-metals
Conductivity of electricity
Melting point

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3 (A) Write the scientific term for each of the following:

1. A season in which day is longer than night. (.....)
2. The most beautiful planet. (.....)
3. A change in the shape of matter without any change in its structure. (.....)
4. It is the simplest form of matter that can't be analyzed into two substances or more. (.....)
5. The state of matter that has a definite volume and shape. (.....)
6. The space that is occupied by the object. (.....)

(B) Calculate: The volume of a cuboid, if its length is 5 cm, its width equals 3 cm and its height equals 2 cm.

(C) Mention for each of the following:

1. Iron:
2. Graduated cylinder:
3. Copper:

4 (A) Give a reason for each of the following:

1. Car is matter.
2. Sequence of the four seasons.
3. Sun is a star, while Earth is a planet.

(B) Correct the underlined words:

1. Length of night = 28 – length of day.
2. Water vapor condenses when it touches a hot surface.
3. Melting of iron is a chemical change.
4. Neptune has colored rings around it.

(C) Study the following planets, then complete the following:



1.
2.
3.
4.



Worksheets & Exams

20 Sharika - English - Egm Educational Directorate - Al Soudy Language School

1 (A) Choose the correct

1. The volume of a solid material is measured in (cm – cm³ – meter)
2. The cooking pots are made of (plastic – wood – aluminum)
3. Three kilograms equal (30 gm – 300 gm – 3000 gm)
4. An example of metals is (copper – carbon – sulphur)
5. The Earth's axis is (vertical – inclined – horizontal)
6. The number of the planets in the solar system is (4 – 6 – 8)
7. Water is an example of state. (gaseous – liquid – solid)
8. Liter is the measuring unit of (mass – volume – length)
9. is the center of the solar system. (Sun – Earth – Moon)

III Give a correct for each of the following:

1. The sequence of the day and night.

2. Electric wires are made of copper.

2 Complete the following sentences:

1. Matter has and
2. States of matter are solid, and
3. Burning of wax is a change, while melting of wax is a change.
4. Gram is the measuring unit of, while meter is the measuring unit of
5. Earth is located between and
6. Mars is known as planet, while Neptune is the planet.

3 Write the scientific term:

1. The amount of matter in an object. (.....)
2. The device used to measure the mass of fruits. (.....)
3. Change of matter from solid state to liquid state. (.....)
4. The non-metal which is a good conductor of electricity. (.....)
5. The state of matter that has a definite shape and volume. (.....)
6. Dark objects that revolve around the Sun. (.....)
7. The most beautiful planet. (.....)

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8. Elements that have high melting points.
9. The change in the shape of matter only.
10. A liquid non-metal.
11. The space occupied by matter.
12. The smallest planet in the solar system.

(.....)

(.....)

(.....)

(.....)

(.....)

4 Put (✓) or (X):

1. Sensitive balance is used to measure the mass of jewels.
2. Carbon and sulphur have no luster.
3. Freezing is a change of gaseous state to liquid state.
4. The moon is a shining star that radiates light and heat.
5. The day in summer season is longer than the night.
6. Hammering iron is a chemical change.
7. Iron has low melting point.
8. We use copper in making statues.
9. Ruler is used to measure the small lengths.
10. When water freezes it changes into water vapor.
11. The Sun is a planet and it emits light.
12. The biggest planet in the solar system is Venus.

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Worksheets & Exams

21 South Sinai - Tur Sinai Directorate

1 (A) Write the scientific term:

1. The amount of matter in an object. (.....)
2. Non-metal element used in making the positive pole of dry cells. (.....)
3. Elements that have luster and have the ability to conduct electricity. (.....)
4. Substances that have definite shape and definite volume. (.....)
5. The simplest form of matter that cannot be decomposed into two substances or more. (.....)
6. The change in the appearance of matter without a change in its structure. (.....)
7. Dark bodies that revolve around the Sun in fixed orbits. (.....)
8. The planet that is called the red planet. (.....)
9. The unit used to measure small masses. (.....)

(B) What is the type of the phenomenon that resulted from?

1. Rotation of Earth around its axis.
.....
2. Rotation of Earth around the Sun.
.....

2 (A) Complete the following sentences using these words:

(element – winter – sun – gold – volume – iron – Mercury – mass – Jupiter)

1. We use in making jewels and use in making bridges.
2. The is located in the center of the solar system.
3. All the materials you see in your environment are made of
4. The is the nearest planet to the Sun, while the biggest planet is
5. The common balance is used in, while the graduated cylinder is used in
6. The night is longer than the day in season.

(B) Give reasons:

1. The stars seem very small in size.
.....
2. The moon is a dark body although we see it shining.
.....

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3 (A) Complete the following table:

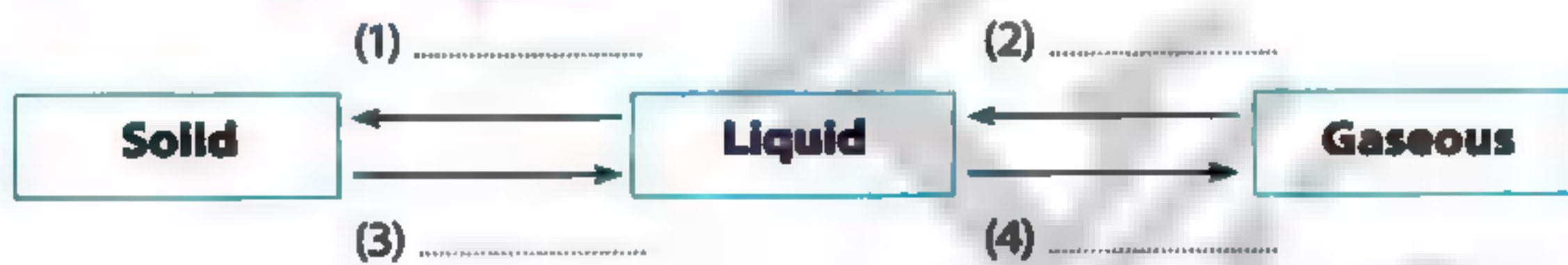
Sugar dissolving in water – burning of wood – melting of iron – breaking of chalk – production of yogurt – cutting paper – fermentation of fruits – ductility of copper into wires – freezing water into ice.

Physical change	Chemical change

(B) What happens when?

1. Putting a bottle of water in the freezer.
2. Boiling of water and exposing the product to a cold surface.
3. Putting a piece of wet iron in a jar filled with dry oxygen.

4 (A) Complete the following diagram:



(B) Put (✓) or (X):

1. There are colored rings rotating around Saturn. ()
2. The number of planets in the solar system is eight planets. ()
3. Water is from the solid substances, while iron is from the liquid substances. ()
4. Mercury is from liquid metals. ()
5. The volume of cube = length + width + height. ()
6. Neptune is the planet where man lives. ()
7. The ruler is used to measure the length. ()
8. Earth rotates around the Sun once every 24 hours. ()

Worksheets & Exams

22 Beni Suef - Beni Suef Administration - Directorate of Education - Beni Suef

1 (A) Complete the following statements using the guiding words:

(star – graduated tape – Mars – Venus – inclined – melting – rusting – cutting – milk – air)

- is a red planet.
- is a tool used to long lengths.
- is a change of matter from solid state to liquid state.
- of iron is a chemical change, while of paper is a physical change.
- is the most beautiful planet.
- Sun is a medium-sized
- The Earth's axis is
- is a liquid state of matter, while is a gaseous one.

(B) Mention the name of the element that is used in making each of the following:

- Cooking pots.

- Jewelry.

2 (A) Match column (A) with what suits in column (B):

(A)	(B)
1. The farthest planet from the Sun.	a. Jupiter
2. Liquid metal.	b. Metals
3. Dark bodies that revolve around the planets and reflect sunlight.	c. Mass
4. Elements which are shiny and have luster.	d. Gases
5. Amount of matter in an object.	e. Mercury
6. The biggest planet.	f. Neptune
7. Have indefinite shape and volume.	g. Ruler
8. The tool that is used to measure short lengths.	h. Moons

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-
-
-

(B) Put (✓) or (X):

- Gram is the unit that is used for small masses. ()
- Carbon non-metal is a good conductor of electricity. ()

3. Earth revolves around itself only. ()

4. Saturn is the coldest planet. ()

3 (A) Write the scientific term:

1. Anything that has a volume and mass. (.....)
2. The tool that is used to measure large masses such as fruits. (.....)
3. The state of matter that has definite shape and volume. (.....)
4. The biggest body in the solar system. (.....)
5. The space occupied by an object. (.....)
6. The planet that we live on. (.....)
7. The element used in making bridges and car bodies. (.....)
8. The tool used to measure volume of liquids. (.....)
9. The change of matter from liquid state to gaseous state. (.....)

(B) Classify the following into solids, liquids and gases:

(stone - water vapor - alcohol - ice - water - oxygen)

Solid

Liquid

Gases

4 (A) Correct the underlined words:

1. Day hours are equal to the night hours in summer. (.....)
2. Earth revolves around the Sun every 24 hours. (.....)
3. Compound is the simplest form of matter that can't be decomposed into simpler form. (.....)
4. Chemical change of matter is the change in the shape only. (.....)
5. Carbon is used in making electric wires and metallic coins. (.....)
6. The sun appears moving from west to east. (.....)
7. We measure distances between cities in kilogram. (.....)
8. Condensation is the change of matter by heating. (.....)

(B) Arrange the following planets from the nearest to the farthest from the Sun:

(Neptune - Mars - Earth - Mercury)

.....

.....

.....

.....



Worksheets & Exams

23 - Directorate of Education

1 Complete the following statements:

1. Measuring ruler is used for measuring
2. The is located in the center of the solar system.
3. There are ■ definite shape and ■ definite volume in the state.
4. Group of have luster.
5. Carbon is a good conductor of
6. Common balance is used for measuring

2 Choose the correct answer:

1. Cooking pots are made of (aluminum – iron – sulphur)
2. The change of matter from the liquid state into gaseous state is called
(melting – evaporation – condensation)
3. Statues are made up of (copper – sulphur – carbon)
4. Gold and silver are used in the manufacturing of (bridges – jewels – planes)
5. A stone ■ put in a jar containing 30 cm^3 of water, water level rises in the jar up to 50 cm^3 ,
so the volume of the stone equals (20 cm^3 – 30 cm^3 – 50 cm^3)
6. The nearest planet to the Sun is (Mercury – Jupiter – Neptune)

3 (A) Write the scientific term:

1. Dark objects that revolve around Earth and reflect the sunlight falling on it. (.....)
2. The change of matter from the solid state into the liquid state. (.....)
3. It is the simplest form of matter that can't be decomposed into two substances or more. (.....)
4. Dark objects that revolve around the Sun in fixed orbits. (.....)
5. The biggest planet on the solar system. (.....)

(B) What happens when?

You put a bottle of water in the freezer.

.....

.....

.....

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4 (A) What is the type of the phenomenon resulting from each of the following?

1. Rotation of Earth around its axis

2. Rotation of Earth around the Sun.

(B) Give ■ reason for each of the following:

The Sun is a star while Earth is a planet.

(C) Complete the following table by using the suitable words from the following:

(Dissolving of sugar in water – Burning of wood – Melting of wax –
Iron rust – Rotting of fruit – Grinding of sugar)

Physical change	Chemical change

Worksheets & Exams

24 Sohag - Sohag Complex Language School

1 (A) Choose the correct answer:

- Cooling is accompanied with process.
 - melting
 - condensation
 - evaporation
 - (a) and (b)
- Cooking pots are made of
 - aluminum
 - iron
 - sulphur
 - gold
- The Sun is a star because it
 - absorbs light
 - reflects light
 - radiates light
 - allows light to pass through
- The volume of solid material is measured in
 - cm
 - cm²
 - cm³
 - m²
- The number of day hours are equal to the number of night hours in
 - summer
 - spring
 - winter
 - all of the seasons
- Adding table salt to water with stirring produces
 - a new substance
 - physical change
 - chemical change
 - (a) and (c)

(B) Arrange the following planets from the nearest to the farthest from the Sun:

Venus – Mars – Earth – Uranus – Jupiter – Neptune

2 (A) Complete the following:

- Silver is a shiny element so it belongs to the group, while sulphur has no luster so it belongs to group.
- The length can be measured in and units.
- Planets are bodies that revolve around the Sun in fixed orbits.
- is the amount of matter in an object.
- The transfer of matter from liquid state to gaseous state is called

(B) Classify the following changes into physical change and chemical change:

(grinding of sugar – wood burning – iron rusting – wax melting –
production of yogurt from milk)

Physical change	Chemical change

3 (A) Write the scientific term:

- The state of matter that can be pressed. (.....)
- One of the solar system planets that has colored rings around it. (.....)
- Anything that occupies a space and has a mass. (.....)
- The simplest form of the matter that cannot be decomposed into two substances or more. (.....)
- Dark objects that revolve around Earth and reflect the sunlight falling on it. (.....)
- The tool that is used to measure the mass of small objects. (.....)

(B) What is the type of the phenomenon that results from?

- Rotation of Earth around its axis. (.....)
- Rotation of Earth around the Sun. (.....)

4 (A) Give a reason for each of the following:

- Copper is used in making electric wires.
.....
- The Sun seems bigger to us than other stars.
.....

(B) Put (✓) or (X):

- The graduated ruler is used to measure mass. ()
- Liquid matter has a definite shape and volume. ()
- Sulphur is a non-metal element and it's a good conductor of electricity. ()
- The biggest planet in the solar system is Jupiter. ()

Worksheets & Exams

25 Sohag - Akhmeem Educational Management - Private Future Generation Language School

1 Complete the following:

1. Kilogram is the unit of measuring
2. has definite shape and definite volume.
3. Poles of electric cells (batteries) are made of
4. Burning of wood is considered change.
5. is the change of ice into water.
6. is located in the center of the solar system and there are revolving around it .

2 Put (✓) or (X):

1. The volume of solid materials is measured in cm^3 . ()
2. The matter can be pressed in gaseous state. ()
3. Electric wires are made of sulphur. ()
4. Melting of ice is considered a physical change. ()
5. Measuring tape is used for measuring mass. ()
6. Evaporation is the change of matter from solid state to liquid state by heating. ()

3 Choose the correct answer:

1. In season, day is equal to night.
(spring – summer – winter)
2. The nearest planet to the Sun is
(Earth – Mercury – Neptune)
3. The volume of an irregular solid object is estimated by using a
(common balance – ruler – graduated cylinder)
4. Mars is a planet.
(red – blue – cold)
5. We use gold and silver in making
(bridges – jewels – planes)
6. The change of matter from liquid state to solid state is called
(evaporation – condensation – freezing)



4 (A) Write the scientific term:

1. The building unit of matter and the simplest form of matter that can't be decomposed into two substances or more. (.....)
2. Anything that has a mass and volume. (.....)
3. The dark body that revolves around Earth and reflects the sunlight. (.....)
4. Elements that are shining and good conductors of electricity. (.....)
5. The change in the shape of matter without any change in its structure. (.....)
6. The matter that has a definite volume and an indefinite shape. (.....)

(B) Give a reason for each of the following:

1. Sequence of day and night.
.....
2. Aluminum is used for making cooking pots.
.....
3. Stars seem small to us.
.....
4. Book is matter.
.....

(C) When putting a stone in a graduated cylinder containing 50 cm³ of water, the water level rises up to 80 cm³. Calculate the volume of the stone.

.....

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